

Land Use/Land Cover Definitions Virginia

- 1 Developed**
- 2 Unvegetated**
- 3 Agricultural**
- 4 Non-forested**
- 5 Upland Forest - Deciduous**
- 6 Upland Forest - Mixed Deciduous/Coniferous**
- 7 Upland Forest - Coniferous**
- 8 Open Water**
- 9 Wetlands**

1 Developed

Significant human influence. Surface development includes buildings, pavement, mining operations, etc. Excludes agricultural land and clear cuts.

0 All levels of development from 10-100%

1 Heavy: > 60% surface development

2 Moderate: 30-60% surface development

3 Light: 10-30% surface development

1 Residential

2 Industrial/Business (includes airports, landfills)

3 Mining operations (i.e. gravel pits or quarries)

4 Roads

5 Grass/Shrub (i.e. cemeteries, golf courses, mowed parks, utility rights-of-way)

6 Urban Forests (i.e. areas surrounded by development)

Example:

DGIF office in Richmond is in a moderately developed area of businesses and streets. The area is heavily paved and maintained. There are no high rise buildings in our area of the city, so it is not heavily developed.

Code: **1 (Developed) 2 (Moderate) 2 (Industrial/Business) = 122**

2 Unvegetated

Less than 10% vegetation cover. Excludes agricultural and developed areas, and open water. Refers mostly to large areas of bare rock and saline flats.

- 31** Rock/Talus
- 32** Cliffs
- 33** Sand (beaches, dunes)
- 34** Bare Soil
- 35** Cave
- 36** Mudflats

3 Agricultural

- 00** All crop species
- 11** Developed/maintained pasture: seeded and regularly mown or grazed pasture
- 12** Row crops
- 13** Orchards/Vineyards/Pine Plantation or Nursery Stock

4 Non-forested

Note: The non-forest and forest classes may be the most difficult to label. Many professionals can go to the same site and disagree on the classification. Do your best and be consistent using the classes. Label the habitat based on a good sample (i.e. away from the path or edge of a forest) that best describes the habitat. Remember, vegetation is constantly growing, so classes may change within a couple of years.

Grasslands, mountain meadows, unmaintained range, clear cuts, as well as young replanted forests with trees less than 15' tall and have less than 26% canopy cover.

Certain plants are colonizers and are later eliminated, as the slower growing climax vegetation becomes large enough to outgrow the colonizers. The colonizers and young climax vegetation are considered successional. Colonizers appear when there has been a disturbance, such as a fire, harvesting, grazing or mowing.

Recently disturbed can mean disturbed yesterday, or 10 years ago. Most of the undisturbed/climax vegetation is on preserves or hard to access parcels of land.

- 0 Successional and climax vegetation**
 - 1 Recently disturbed/successional**
 - 2 Undisturbed/climax**
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- 0 All structure classes**
 - 1 Sparsely vegetated; 60 -90% bare ground**
 - 2 Grassland, forbs; 0-10% shrub or tree cover**
 - 3 Shrub savannah; 11-25% shrub cover**
 - 4 Shrubland; > 26% shrub cover**
 - 5 Tree savannah; 11-25% tree cover**
 - 6 Clearcut**

5 **Upland Forest: Deciduous** (Trees which lose all of their leaves during the winter season.)

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Urban areas with a lot of large trees are not forests (See “Developed” classification).

Forest Classes: dbh (diameter at breast height) measured 4.5' from the ground with a special tape measure. The circumference can be measured using a standard measuring tape. Take the measurement at the same height (4.5' from the ground) as you would a dbh.

- 0** All structure classes/all age and size classes
- 1*** Saplings (1-4" dbh (3-14" circumference), 15-30' tall)
- 2*** Pole (5-15" dbh (15-47" circumference), >30' tall)
- 3*** Small sawlogs (15-20" dbh (48-63" circumference))
- 4*** Large sawlogs (20-30" dbh (64-94" circumference))
- 5*** Old Growth: defined primarily by structure, 2 or more layers, dominant trees generally > 30" dbh.
- 6** Young forests; mostly sapling or pole, possibly including seedlings
- 7** Intermediate aged forests; mostly pole or small sawlogs, may include variable aged forests
- 8** Mature to ‘over-mature’ forests; mostly saw timber to old-growth, may include mature forests of smaller stunted trees, such as some subalpine forests.

To estimate canopy closure, look at the ground and estimate shaded percentage. Walk or look into the forest to estimate canopy closure. The best time to test is when the sun is overhead, about mid-day.

- 0** Open and closed canopy
- 1** Open; 26-60% canopy closure
- 2** Closed; 60-100% canopy closure

* These would be homogenous stands. The trees would be about the same size and height.

Pole - Young tree 4 inches or more in diameter at breast height.

Sawlog - Small sawlogs in a hardwood stand would be about 12" diameter at breast height. In a pine stand they would be about 8" in diameter at breast height.

6 Upland Forest: Mixed Deciduous/Coniferous (Stand in which less than 80% of the trees in the main crown canopy are a single type (coniferous or deciduous).)

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Sawlog - Small sawlogs in a pine stand would be about 8" in diameter at breast height. In a hardwood stand they would be about 12" diameter at breast height. In a mixed stand it would be a combination of hardwood and pine sawlogs as defined above.

7 Upland Forest: Coniferous (Trees that are usually evergreen, cone bearing, and with needle, awl, or scale-like leaves such as pine, spruce, firs, and cedars.)

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8 Open Water

- 00** All open water
- 10** Fresh water
- 11** Lakes
- 12** Reservoir
- 14** Pond
- 15** Fresh flowing water (inland streams and rivers)
- 17** Canals
- 20** Salt water
- 30** Brackish water (partially salty)

9 Wetlands

Vegetated areas where plants are rooted in water or water saturated soil, or that regularly tolerates flooding for extensive time periods.

- 0** All wetland types
 - 1** Estuarine marsh (saltwater)
 - 2** Freshwater marsh
 - 3** Riparian (edges of rivers and streams)
 - 4** Vernal pools (pools which dry up part of the year)
 - 5** Ocean beaches (vegetated)
 - 6** Intermittent streams
-
- 0** All wetland vegetation types
 - 1** Submerged/floating aquatic plants
 - 2** Emergent herbs/shrubs (scrub/shrub)
 - 3** Trees - deciduous
 - 4** Trees - coniferous
 - 5** Trees - mixed deciduous and coniferous

Species by Scientific Name

* Geographic Subspecies may occur in Virginia

<u>Scientific Name</u>	<u>Common Name</u>	<u>Species Code</u>
FISH		
<i>Acantharchus pomotis</i>	Sunfish, mud	010173
<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	010031
<i>Acipenser oxyrinchus</i>	Sturgeon, Atlantic	010032
<i>Alosa aestivalis</i>	Herring, blueback	010045
<i>Alosa mediocris</i>	Shad, hickory	010039
<i>Alosa pseudoharengus</i>	Alewife	010038
<i>Alosa sapidissima</i>	Shad, American	010040
<i>Ambloplites cavifrons</i>	Bass, Roanoke	010174
<i>Ambloplites rupestris</i>	Bass, rock	010175
<i>Ameiurus brunneus</i>	Bullhead, snail	010389
<i>Ameiurus catus</i>	Catfish, white	010120
<i>Ameiurus melas</i>	Bullhead, black	010121
<i>Ameiurus natalis</i>	Bullhead, yellow	010122
<i>Ameiurus nebulosus</i>	Bullhead, brown	010123
<i>Ameiurus platycephalus</i>	Bullhead, flat	010124
<i>Amia calva</i>	Bowfin	010034
<i>Ammocrypta clara</i>	Darter, western sand	010362
<i>Anchoa hepsetus</i>	Anchovy, striped	010048
<i>Anchoa mitchilli</i>	Anchovy, bay	010049
<i>Anguilla rostrata</i>	Eel, American	010131
<i>Apeltes quadratus</i>	Stickleback, fourspine	010156
<i>Aphredoderus sayanus sayanus</i>	Perch, pirate	010163
<i>Aplodinotus grunniens</i>	Drum, freshwater	010405
<i>Bairdiella chrysoura</i>	Perch, silver	010241
<i>Brevoortia tyrannus</i>	Menhaden, Atlantic	010043
<i>Campostoma anomalum</i>	Stoneroller, central	010058
<i>Carassius auratus</i>	Goldfish	010059
<i>Carpoides cyprinus</i>	Quillback	010374
<i>Catostomus commersoni</i>	Sucker, white	010105
<i>Centrarchus macropterus</i>	Flier	010176
<i>Chologaster cornuta</i>	Swampfish	010149
<i>Clinostomus funduloides</i>	Dace, rosyside	010366
<i>Clupea harengus</i>	Herring, Atlantic	010044
<i>Cottus (undescribed)</i>	Sculpin, Bluestone	010429
<i>Cottus baileyi</i>	Sculpin, black	010406
<i>Cottus bairdi</i>	Sculpin, mottled	010283
* <i>Cottus carolinae</i>	Sculpin, banded	010284
<i>Cottus carolinae ssp.</i>	Sculpin, Carolinae ssp.	010418
<i>Cottus cognatus</i>	Sculpin, slimy	010285
<i>Cottus girardi</i>	Sculpin, Potomac	010407
<i>Cynoscion nebulosus</i>	Seatrout, spotted	010243
<i>Cynoscion nothus</i>	Seatrout, silver	010244
<i>Cynoscion regalis</i>	Weakfish	010245
<i>Cyprinella analostamas</i>	Shiner, satinfin	010073
<i>Cyprinella galactura</i>	Shiner, whitetail	010081
<i>Cyprinella labrosa</i>	Chub, thicklip	010349
<i>Cyprinella monacha</i>	Chub, spotfin	010330
<i>Cyprinella nivea</i>	Shiner, whitefin	010379
<i>Cyprinella spilopteras</i>	Shiner, spotfin	010091

<i>Cyprinella whipplei</i>	Shiner, steelcolor	010335
<i>Cyprinella pyrrhomelas</i>	Shiner, fieryblack	010380
<i>Cyprinodon variegatus</i>	Minnow, sheepshead	010140
<i>Cyprinus carpio</i>	Carp, common	010062
<i>Dorosoma cepedianum</i>	Shad, gizzard	010041
<i>Dorosoma petenense</i>	Shad, threadfin	010042
<i>Elassoma zonatum</i>	Sunfish, banded pygmy	010412
<i>Enneacanthus chaetodon</i>	Sunfish, blackbanded	010347
<i>Enneacanthus gloriosus</i>	Sunfish, bluespotted	010178
<i>Enneacanthus obesus</i>	Sunfish, banded	010179
<i>Erimystax cahni</i>	Chub, slender	010111
<i>Erimystax dissimilis</i>	Chub, streamline	010369
<i>Erimystax insignis</i>	Chub, blotched	010370
<i>Erimyzon oblongus</i>	Chubsucker, creek	010106
<i>Erimyzon suetta</i>	Chubsucker, lake	010107
<i>Esox americanus americanus</i>	Pickerel, redfin	010055
<i>Esox lucius</i>	Pike, northern	010364
<i>Esox masquinongy</i>	Muskellunge	010365
<i>Esox niger</i>	Pickerel, chain	010056
<i>Etheostoma acuticeps</i>	Darter, sharthead	010344
<i>Etheostoma blennioides</i>	Darter, greenside	010191
<i>Etheostoma caeruleum</i>	Darter, rainbow	010192
<i>Etheostoma camurum</i>	Darter, bluebreast	010337
<i>Etheostoma chlorobranchium</i>	Darter, greenfin	010352
<i>Etheostoma cinereum</i>	Darter, ashy	010343
<i>Etheostoma collis</i>	Darter, Carolina	010353
<i>Etheostoma flabellare</i>	Darter, fantail	010193
<i>Etheostoma fusiforme</i>	Darter, swamp	010194
<i>Etheostoma jessiae</i>	Darter, blueside	010339
<i>Etheostoma kanawhae</i>	Darter, Kanawha	010195
<i>Etheostoma kennicotti</i>	Darter, striptail	010413
<i>Etheostoma longimanum</i>	Darter, longfin	010196
<i>Etheostoma nigrum</i>	Darter, johnny	010198
<i>Etheostoma olmstedi</i>	Darter, tessellated	010397
<i>Etheostoma osburni</i>	Darter, candy	010199
<i>Etheostoma percnurum</i>	Darter, duskytail	010333
<i>Etheostoma podostemone</i>	Darter, riverweed	010200
<i>Etheostoma rufilineatum</i>	Darter, redline	010201
<i>Etheostoma serrifer</i>	Darter, sawcheek	010398
<i>Etheostoma simoterum</i>	Darter, Snubnose	010202
<i>Etheostoma spectabile</i>	Darter, orangethroat	010415
<i>Etheostoma stigmaeum</i>	Darter, speckled	010414
<i>Etheostoma swannanoa</i>	Darter, Swannanoa	010401
<i>Etheostoma tippecanoe</i>	Darter, Tippecanoe	010332
<i>Etheostoma variatum</i>	Darter, variegate	010203
<i>Etheostoma vitreum</i>	Darter, glassy	010204
<i>Etheostoma vulneratum</i>	Darter, wounded	010197
<i>Etheostoma zonale</i>	Darter, banded	010205
<i>Etrumeus teres</i>	Herring, round	010046
<i>Exoglossum laurae</i>	Minnow, tonguetied	010096
<i>Exoglossum maxillingua</i>	Minnow, cutlips	010063
<i>Fundulus catenatus</i>	Studfish, northern	010141
<i>Fundulus confluentus</i>	Killifish, marsh	010142
<i>Fundulus diaphanus</i>	Killifish, banded	010143
<i>Fundulus heteroclitus</i>	Mummichog	010144
<i>Fundulus lineolatus</i>	Topminnow, lined	010393
<i>Fundulus luciae</i>	Killifish, spotfin	010145

Fundulus majalis	Killifish, striped	010146
Fundulus rathbuni	Killifish, speckled	010394
Gambusia holbrooki	Mosquitofish, eastern	010148
Gasterosteus aculeatus	Stickleback, threespine	010157
Hybognathus regius	Minnow, eastern silvery	010408
Hypentelium nigricans	Sucker, northern hog	010108
Hypentelium roanokense	Sucker, Roanoke hog	010109
Ichthyomyzon bdellium	Lamprey, Ohio	010356
Ichthyomyzon greeleyi	Lamprey, mountain brook	010357
Ictalurus furcatus	Catfish, blue	010390
Ictalurus punctatus	Catfish, channel	010125
Labidesthes sicculus	Silverside, brook	010338
Lagochila lacera	Sucker, harelip	010354
Lampera aepyptera	Lamprey, least brook	010001
Lampera appendix	Lamprey, American brook	010359
Larimus fasciatus	Drum, banded	010242
Leiostomus xanthurus	Spot	010246
Lepisosteus osseus	Gar, longnose	010033
Lepomis auritus	Sunfish, redbreast	010180
Lepomis cyanellus	Sunfish, green	010181
Lepomis gibbosus	Pumpkinseed	010182
Lepomis gulosus	Warmouth	010177
Lepomis macrochirus	Bluegill	010183
Lepomis marginatus	Sunfish, dollar	010426
Lepomis megalotis	Sunfish, longear	010184
Lepomis microlophus	Sunfish, redear	010185
Lucania parva	Killifish, rainwater	010147
Luxilus albeolus	Shiner, white	010069
Luxilus cerasinus	Shiner, crescent	010078
Luxilus chrysocephalus	Shiner, striped	010377
Luxilus coccogenis	Shiner, warpaint	010079
Luxilus cornutus	Shiner, common	010080
Lythrurus ardens	Shiner, rosefin	010074
Lythrurus lirus	Shiner, mountain	010378
Macrhybopsis aestivalis	Chub, speckled	010368
Margariscus margarita	Dace, pearl	010345
Membras martinica	Silverside, rough	010301
Menidia beryllina	Silverside, inland	010302
Menidia menidia	Silverside, Atlantic	010303
Menticirrhus americanus	Kingfish, southern	010247
Micropogonias undulatus	Croaker, Atlantic	010250
Micropterus dolomieu	Bass, smallmouth	010186
Micropterus punctulatus	Bass, spotted	010187
Micropterus salmoides	Bass, largemouth	010188
Morone americana	Perch, white	010166
Morone chrysops	Bass, white	010167
Morone saxatilis	Bass, striped	010168
Moxostoma anisurum	Redhorse, silver	010387
Moxostoma ariommum	Jumprock, bigeye	010110
Moxostoma carinatum	Redhorse, river	010336
Moxostoma cervinum	Jumprock, black	010112
Moxostoma duquesnei	Redhorse, black	010388
Moxostoma erythrurum	Redhorse, golden	010114
Moxostoma hamiltoni	Sucker, rustyside	010115
Moxostoma macrolepidotum	Redhorse, shorthead	010116
Moxostoma pappillosum	Redhorse, v-lip	010113
Moxostoma rhothoecum	Sucker, torrent	010118

Moxostoma robustum	Redhorse, smallfin	010350
Mugil cephalus	Mullet, striped	010299
Nocomis leptocephalus	Chub, bluehead	010066
Nocomis micropogon	Chub, river	010067
Nocomis platyrhynchus	Chub, bigmouth	010372
Nocomis raneyi	Chub, bull	010373
Notemigonus crysoleucas	Shiner, golden	010068
Notropis alborus	Shiner, whitemouth	010070
Notropis altipinnis	Shiner, highfin	010071
Notropis amblops	Chub, bigeye	010065
Notropis amoenus	Shiner, comely	010072
Notropis ariommus	Shiner, popeye	010075
Notropis atherinoides	Shiner, emerald	010076
Notropis bifrenatus	Shiner, bridle	010077
Notropis buccatus	Minnow, silverjaw	010367
Notropis chalybaeus	Shiner, ironcolor	010375
Notropis chiliticus	Shiner, redlip	010376
Notropis hudsonius	Shiner, spottail	010082
Notropis hypsinotus	Chub, highback	010348
Notropis leuciodus	Shiner, Tennessee	010083
Notropis photogenis	Shiner, silver	010085
Notropis procne	Shiner, swallowtail	010086
Notropis rubellus	Shiner, rosyface	010087
Notropis rubricroceus	Shiner, saffron	010088
Notropis scabriceps	Shiner, New River	010089
Notropis scepticus	Shiner, sandbar	010381
Notropis semperasper	Shiner, roughhead	010346
Notropis spectrunculus	Shiner, mirror	010090
Notropis spp. A	Shiner, sawfin	010431
Notropis stramineus	Shiner, sand	010092
Notropis telescopus	Shiner, telescope	010383
Notropis volucellus	Shiner, mimic	010094
Noturus eleutherus	Madtom, mountain	010391
Noturus flavipinnis	Madtom, yellowfin	010331
Noturus flavus	Stonecat	010126
Noturus gilberti	Madtom, orangefin	010127
Noturus gyrinus	Madtom, tadpole	010128
Noturus insignis	Madtom, margined	010129
Noturus insignis ssp A	Madtom, spotted	010432
Oncorhynchus mykiss	Trout, rainbow	010050
Opisthonema oglinum	Herring, Atlantic thread	010047
Perca flavescens	Perch, yellow	010206
Percina aurantiaca	Darter, tangerine	010340
Percina burtoni	Logperch, blotchside	010341
Percina caprodes	Logperch	010207
Percina copelandi	Darter, channel	010208
Percina crassa	Darter, Piedmont	010209
Percina evides	Darter, gilt	010402
Percina gymnocephala	Darter, Appalachia	010363
Percina macrocephala	Darter, longhead	010342
Percina maculata	Darter, blackside	010210
Percina notogramma	Darter, stripeback	010211
Percina oxyrhynchus	Darter, sharpnose	010212
Percina peltata	Darter, shield	010213
Percina rex	Logperch, Roanoke	010214
Percina roanoka	Darter, Roanoke	010061
Percina sciera	Darter, dusky	010403

<i>Percina squamata</i>	Darter, olive	010404
<i>Percopsis omiscomaycus</i>	Trout-perch	010355
<i>Petromyzon marinus</i>	Lamprey, sea	010002
<i>Phenacobius crassilabrum</i>	Minnow, fatlips	010351
<i>Phenacobius mirabilis</i>	Minnow, suckermouth	010410
<i>Phenacobius teretulus</i>	Minnow, Kanawha	010097
<i>Phenacobius uranops</i>	Minnow, stargazing	010098
<i>Phoxinus erythrogaster</i>	Dace, southern redbelly	010384
<i>Phoxinus oreas</i>	Dace, mountain redbelly	010060
<i>Phoxinus tennesseensis</i>	Dace, Tennessee	010430
<i>Pimephales notatus</i>	Minnow, bluntnose	010099
<i>Pimephales promelas</i>	Minnow, fathead	010100
<i>Pimephales vigilax</i>	Minnow, bullhead	010386
<i>Polyodon spathula</i>	Paddlefish	010334
<i>Pomoxis annularis</i>	Crappie, white	010189
<i>Pomoxis nigromaculatus</i>	Crappie, black	010190
<i>Pylodictis olivaris</i>	Catfish, flathead	010130
<i>Rhinichthys atratulus</i>	Dace, blacknose	010101
<i>Rhinichthys cataractae</i>	Dace, longnose	010102
<i>Salmo trutta</i>	Trout, brown	010051
<i>Salvelinus fontinalis</i>	Trout, brook	010052
<i>Semotilus atromaculatus</i>	Chub, creek	010103
<i>Semotilus corporalis</i>	Fallfish	010104
<i>Stizostedion canadense</i>	Sauger	010215
<i>Stizostedion vitreum vitreum</i>	Walleye	010216
<i>Trinectes maculatus</i>	Hogchoker	010312
<i>Umbra pygmaea</i>	Mudminnow, eastern	010054

AMPHIBIANS

<i>Acris crepitans crepitans</i>	Frog, eastern cricket	020012
<i>Acris gryllus gryllus</i>	Frog, coastal plain cricket	020015
<i>Ambystoma jeffersonianum</i>	Salamander, Jefferson	020031
<i>Ambystoma mabeei</i>	Salamander, Mabee's	020044
<i>Ambystoma maculatum</i>	Salamander, spotted	020049
<i>Ambystoma opacum</i>	Salamander, marbled	020035
<i>Ambystoma talpoideum</i>	Salamander, mole	020023
<i>Ambystoma tigrinum tigrinum</i>	Salamander, eastern tiger	020052
<i>Amphiuma means</i>	Amphiuma, two-toed	020001
<i>Aneides aeneus</i>	Salamander, green	020030
<i>Bufo americanus</i>	Toad, American	020059
<i>Bufo fowleri</i>	Toad, Fowler's	020062
<i>Bufo quercicus</i>	Toad, oak	020063
<i>Bufo terrestris</i>	Toad, southern	020064
<i>Cryptobranchus alleganiensis alleganiensis</i>	Hellbender, eastern	020020
<i>Desmognathus auriculatus</i>	Salamander, southern dusky	020048
<i>Desmognathus fuscus</i>	Salamander, northern dusky	020038
<i>Desmognathus marmoratus</i>	Salamander, shovel-nosed	020046
<i>Desmognathus monticola</i>	Salamander, seal	020075
<i>Desmognathus ochrophaeus</i>	Salamander, Allegheny mountain dusk	020036
<i>Desmognathus orestes</i>	Salamander, Blue Ridge dusky	020085
<i>Desmognathus quadramaculatus</i>	Salamander, black-bellied	020025
<i>Desmognathus welteri</i>	Salamander, Black Mountain	020028
<i>Desmognathus wrighti</i>	Salamander, pigmy	020040
* <i>Eurycea bislineata/Eurycea cirrigera</i>	Salamander, two-lined	021002

	Eurycea guttolineata	Salamander, three-lined	020051
	Eurycea longicauda longicauda	Salamander, longtail	020033
	Eurycea lucifuga	Salamander, cave	020026
	Eurycea wilderae	Salamander, Blue Ridge two-lined	020056
*	Gastrophryne carolinensis	Toad, eastern narrow-mouthed	020060
	Gyrinophilus porphyriticus	Salamander, spring	021004
	Gyrinophilus porphyriticus danielsi	Salamander, Blue Ridge spring	020068
	Gyrinophilus porphyriticus duryi	Salamander, Kentucky spring	020076
	Gyrinophilus porphyriticus porphyriticus	Salamander, northern spring	020077
	Hemidactylum scutatum	Salamander, four-toed	020029
	Hyla chrysoscelis	Treefrog, Cope's gray	020006
	Hyla cinerea	Treefrog, green	020009
	Hyla femoralis	Treefrog, pine woods	020014
	Hyla gratiosa	Treefrog, barking	020002
	Hyla squirrela	Treefrog, squirrel	020017
	Hyla versicolor	Treefrog, gray	020007
	Necturus maculosus	Mudpuppy, common	020021
	Necturus punctatus punctatus	Waterdog, dwarf	020022
	Notophthalmus viridescens viridescens	Newt, red-spotted	020065
	Plethodon chlorobryonis	Salamander, Atlantic Coast Slimy	020084
	Plethodon cinereus	Salamander, northern red-backed	020043
	Plethodon cylindraceus	Salamander, white-spotted slimy	020080
	Plethodon glutinosus	Salamander, northern slimy	020047
	Plethodon hoffmani	Salamander, valley and ridge	020054
	Plethodon hubrichti	Salamander, Peaks of Otter	020039
	Plethodon jordani	Salamander, Jordan's	020032
	Plethodon kentucki	Salamander, Cumberland Plateau	020083
	Plethodon punctatus	Salamander, Cow Knob	020027
	Plethodon richmondi	Salamander, ravine	020041
	Plethodon shenandoah	Salamander, Shenandoah	020045
	Plethodon ventralis	Salamander, southern zigzag	020081
	Plethodon wehrlei	Salamander, Wehrle's	020055
	Plethodon welleri	Salamander, Weller's	020078
	Plethodon yonahlossee	Salamander, Yonahlossee	020057
	Pseudacris brachyphona	Frog, mountain chorus	020011
	Pseudacris brimleyi	Frog, Brimley's chorus	020003
	Pseudacris crucifer crucifer	Peeper, northern spring	020071
	Pseudacris feriarum	Frog, southeastern chorus	020018
	Pseudacris kalmi	Frog, New Jersey chorus	020072
	Pseudacris ocularis	Frog, little grass	020010
*	Pseudotriton montanus	Salamander, mud	021005
	Pseudotriton montanus montanus	Salamander, eastern mud	020069
*	Pseudotriton ruber	Salamander, red	021006
	Pseudotriton ruber nitidus	Salamander, Blue Ridge red	020066
	Pseudotriton ruber ruber	Salamander, northern red	020070
	Rana catesbeiana	Bullfrog	020004
	Rana clamitans melanota	Frog, southern green	020008
	Rana palustris	Frog, pickerel	020013
	Rana sphenocephala	Frog, southern leopard	020016
	Rana sylvatica	Frog, wood	020019
	Rana virgatipes	Frog, carpenter	020005
	Scaphiopus holbrookii	Spadefoot, eastern	020061
	Siren intermedia	Siren, lesser	020082
	Siren lacertina	Siren, greater	020058
	Stereochilus marginatus	Salamander, many-lined	020034

REPTILES

	Akistrodon contortrix mokasen	Copperhead, northern	030016
	Akistrodon piscivorus piscivorus	Cottonmouth, eastern	030015
	Anolis carolinensis	Anole, green	030001
	Apalone spinifera spinifera	Turtle, eastern spiny softshell	030069
	Caretta caretta caretta	Turtle, loggerhead sea	030071
	Carphophis amoenus amoenus	Snake, eastern worm	030019
	Cemophora coccinea copei	Snake, northern scarlet	030017
	Chelonia mydas	Turtle, green	030072
	Chelydra serpentina serpentina	Turtle, eastern snapping	030050
*	Chrysemys picta	Turtle, painted	031001
	Chrysemys picta marginata	Turtle, midland painted	030054
	Chrysemys picta picta	Turtle, eastern painted	030060
	Clemmys guttata	Turtle, spotted	030063
	Clemmys insculpta	Turtle, wood	030062
	Clemmys muhlenbergii	Turtle, bog	030061
	Cnemidophorus sexlineatus sexlineatus	Racerunner, six-lined	030008
	Coluber constrictor constrictor	Racer, northern black	030018
	Crotalus horridus atricaudatus	Rattlesnake, canebrake	030013
	Crotalus horridus horridus	Rattlesnake, timber	030012
	Deirochelys reticularia reticularia	Turtle, eastern chicken	030064
	Dermochelys coriacea	Turtle, leatherback sea	030075
*	Diadophis punctatus	Snake, ringneck	031002
	Diadophis punctatus edwardsii	Snake, northern ringneck	030020
	Diadophis punctatus punctatus	Snake, southern ringneck	030021
	Elaphe guttata	Snake, corn	030022
	Elaphe obsoleta obsoleta	Snake, black rat	030023
	Eretmochelys imbricata imbricata	Turtle, Atlantic hawksbill sea	030073
	Eumeces anthracinus anthracinus	Skink, northern coal	030003
	Eumeces fasciatus	Skink, five-lined	030004
	Eumeces inexpectatus	Skink, southeastern five-lined	030005
	Eumeces laticeps	Skink, broadhead	030006
	Farancia abacura abacura	Snake, eastern mud	030025
	Farancia erytrogramma erytrogramma	Snake, rainbow	030046
	Graptemys geographica	Turtle, northern map	030065
	Graptemys ouachitensis ouachitensis	Turtle, Ouachita map	030066
	Heterodon platirhinos	Snake, eastern hognose	030024
	Kinosternon baurii	Turtle, striped mud	030076
	Kinosternon subrubrum subrubrum	Turtle, eastern mud	030051
	Lampropeltis calligaster rhombomaculata	Kingsnake, mole	030027
*	Lampropeltis getula getula	Kingsnake, eastern	030026
*	Lampropeltis getula nigra	Kingsnake, black	030030
*	Lampropeltis triangulum	Snake, eastern milk/ scarlet king-	031003
	Lampropeltis triangulum elapsoides	Kingsnake, scarlet	030031
	Lepidochelys kempii	Turtle, Kemp's Ridley sea	030074
	Lioclorophis vernalis	Snake, eastern smooth green	030039
	Malaclemys terrapin terrapin	Terrapin, northern diamond-backed	030067
	Nerodia erythrogaster erythrogaster	Snake, red-bellied water	030036
	Nerodia sipedon sipedon	Snake, northern water	030034
	Nerodia taxispilota	Snake, brown water	030037
	Opheodrys aestivus aestivus	Snake, rough green	030038
	Ophisaurus attenuatus longicaudus	Lizard, eastern slender glass	030009
	Ophisaurus ventralis	Lizard, eastern glass	030010
	Pituophis melanoleucus melanoleucus	Snake, northern pine	030040
	Pseudemys concinna concinna	Cooter, eastern river	030059
	Pseudemys concinna floridana	Cooter, Coastal Plain	030055
	Pseudemys rubriventris rubriventris	Cooter, northern red-bellied	030057

Regina rigida rigida	Snake, glossy crayfish	030035
Regina septemvittata	Snake, queen	030033
Sceloporus undulatus hyacinthinus	Lizard, northern fence	030002
Scincella lateralis	Skink, little brown	030007
Sternotherus minor peltifer	Turtle, stripe-necked musk	030053
Sternotherus odoratus	Turtle, eastern musk (= stinkpot)	030052
Storeria dekayi dekayi	Snake, northern brown	030041
Storeria occipitomaculata occipitomaculata	Snake, northern red-bellied	030042
Tantilla coronata	Snake, southeastern crowned	030043
Terrapene carolina carolina	Turtle, eastern box	030068
Thamnophis sauritus sauritus	Snake, eastern ribbon	030045
Thamnophis sirtalis sirtalis	Snake, eastern garter	030044
* Trachemys scripta elegans	Slider, red-eared	030077
* Trachemys scripta scripta	Slider, yellowbellied	030058
* Trachemys scripta troostii	Slider, Cumberland	030056
Virginia striatula	Snake, rough earth	030047
Virginia valeriae pulchra	Snake, mountain earth	030048
Virginia valeriae valeriae	Snake, eastern smooth earth	030049
	Water Snake spp.	032001

BIRDS

Accipiter cooperii	Hawk, Cooper's	040086
Accipiter gentilis	Goshawk, northern	040084
Accipiter striatus velox	Hawk, sharp-shinned	040085
Actitis macularia	Sandpiper, spotted	040134
Aechmophorus occidentalis	Grebe, western	040007
Aegolius acadicus	Owl, northern saw-whet	040213
Aegolius funereus richardsoni	Owl, boreal	040212
Agelaius phoeniceus	Blackbird, red-winged	040346
Aimophila aestivalis	Sparrow, Bachman's	040385
Aix sponsa	Duck, wood	040061
Alca torda	Razorbill	040193
Alle alle	Dovekie	040195
Ammodramus caudacutus diversus	Sparrow, saltmarsh sharp-tailed	040381
Ammodramus henslowii susurrans	Sparrow, Henslow's	040379
Ammodramus leconteii	Sparrow, Le Conte's	040380
Ammodramus maritimus	Sparrow, seaside	040382
Ammodramus nelsoni	Sparrow, Nelson's sharp-tailed	040418
Ammodramus savannarum pratensis	Sparrow, grasshopper	040378
Amphispiza bilineata	Sparrow, black-throated	040386
Anas acuta acuta	Pintail, northern	040054
Anas americana	Wigeon, American	040059
Anas bahamensis	Pintail, white-cheeked	040055
Anas clypeata	Shoveler, northern	040060
Anas crecca carolinensis	Teal, green-winged	040056
Anas discors orphna	Teal, blue-winged	040057
Anas penelope	Wigeon, Eurasian	040058
Anas platyrhynchos	Mallard	040051
Anas rubripes	Duck, American black	040052
Anas strepera	Gadwall	040053
Anhinga anhinga	Anhinga	040025
Anser albifrons flavirostris	Goose, greater white-fronted	040048
Anthus rubescens	Pipit, American	040287
Anthus spragueii	Pipit, Sprague's	040288
Aquila chrysaetos	Eagle, golden	040092
Aramus guarauna	Limpkin	040104

<i>Archilochus colubris</i>	Hummingbird, ruby-throated	040218
<i>Ardea alba egretta</i>	Egret, great	040032
<i>Ardea herodias herodias</i>	Heron, great blue	040027
<i>Arenaria interpres morinella</i>	Turnstone, ruddy	040135
<i>Asio flammeus</i>	Owl, short-eared	040211
<i>Asio otus</i>	Owl, long-eared	040210
<i>Athene cunicularia</i>	Owl, burrowing	040208
<i>Aythya affinis</i>	Scaup, lesser	040066
<i>Aythya americana</i>	Redhead	040062
<i>Aythya collaris</i>	Duck, ring-necked	040063
<i>Aythya marila</i>	Scaup, greater	040065
<i>Aythya valisineria</i>	Canvasback	040064
<i>Baeolophus bicolor</i>	Titmouse, tufted	040260
<i>Bartramia longicauda</i>	Sandpiper, upland	040129
<i>Bombycilla cedrorum</i>	Waxwing, cedar	040290
<i>Bombycilla garrulus</i>	Waxwing, Bohemian	040289
<i>Bonasa umbellus</i>	Grouse, ruffed	040099
<i>Botaurus lentiginosus</i>	Bittern, American	040038
<i>Branta bernicla brota</i>	Brant	040046
<i>Branta canadensis</i>	Goose, Canada	040045
<i>Branta leucopsis</i>	Goose, barnacle	040047
<i>Bubo virginianus</i>	Owl, great horned	040206
<i>Bubulcus ibis</i>	Egret, cattle	040030
<i>Bucephala albeola</i>	Bufflehead	040068
<i>Bucephala clangula americana</i>	Goldeneye, common	040067
<i>Buteo jamaicensis</i>	Hawk, red-tailed	040087
<i>Buteo lagopus johannis</i>	Hawk, rough-legged	040090
<i>Buteo lineatus lineatus</i>	Hawk, red-shouldered	040088
<i>Buteo platypterus</i>	Hawk, broad-winged	040089
<i>Buteo regalis</i>	Hawk, ferruginous	040091
<i>Buteo swainsoni</i>	Hawk, Swainson's	040406
<i>Butorides virescens</i>	Heron, green	040028
<i>Calamospiza melanocorys</i>	Bunting, lark	040376
<i>Calcarius lapponicus</i>	Longspur, Lapland	040399
<i>Calcarius ornatus</i>	Longspur, chestnut-collared	040400
<i>Calidris acuminata</i>	Sandpiper, sharp-tailed	040413
<i>Calidris alba</i>	Sanderling	040145
<i>Calidris alpina hudsonia</i>	Dunlin	040154
<i>Calidris bairdii</i>	Sandpiper, Baird's	040151
<i>Calidris canutus rufus</i>	Knot, red	040144
<i>Calidris ferruginea</i>	Sandpiper, curlew	040155
<i>Calidris fuscicollis</i>	Sandpiper, white-rumped	040150
<i>Calidris himantopus</i>	Sandpiper, stilt	040156
<i>Calidris maritima</i>	Sandpiper, purple	040153
<i>Calidris mauri</i>	Sandpiper, western	040147
<i>Calidris melanotos</i>	Sandpiper, pectoral	040152
<i>Calidris minutilla</i>	Sandpiper, least	040149
<i>Calidris pusilla</i>	Sandpiper, semipalmated	040146
<i>Calidris temminckii</i>	Stint, Temminck's	040148
<i>Calonectris diomedea borealis</i>	Shearwater, Cory's	040010
<i>Caprimulgus carolinensis</i>	Chuck-will's-widow	040214
<i>Caprimulgus vociferus</i>	Whip-poor-will	040215
<i>Cardinalis cardinalis</i>	Cardinal, northern	040357
<i>Carduelis flammea</i>	Redpoll, common	040369
<i>Carduelis pinus</i>	Siskin, pine	040370
<i>Carduelis tristis</i>	Goldfinch, American	040371
<i>Carpodacus mexicanus</i>	Finch, house	040367

<i>Carpodacus purpureus</i>	Finch, purple	040366
<i>Catharacta skua</i>	Skua, great	040162
<i>Cathartes aura</i>	Vulture, turkey	040080
<i>Catharus bicknelli</i>	Thrush, Bicknell's	040417
<i>Catharus fuscescens</i>	Veery	040281
<i>Catharus guttatus</i>	Thrush, hermit	040278
<i>Catharus minimus</i>	Thrush, gray-cheeked	040280
<i>Catharus ustulatus</i>	Thrush, Swainson's	040279
<i>Catoptrophorus semipalmatus semipalmatus</i>	Willet	040133
<i>Certhia americana</i>	Creeper, brown	040264
<i>Ceryle alcyon</i>	Kingfisher, belted	040220
<i>Chaetura pelagica</i>	Swift, chimney	040217
<i>Charadrius melanotos melanotos</i>	Plover, piping	040120
<i>Charadrius montanus</i>	Plover, mountain	040121
<i>Charadrius semipalmatus</i>	Plover, semipalmated	040117
<i>Charadrius vociferus</i>	Killdeer	040119
<i>Charadrius wilsonia wilsonia</i>	Plover, Wilson's	040118
* <i>Chen caerulescens</i>	Goose, snow	041001
<i>Chen rossii</i>	Goose, Ross'	040416
<i>Chlidonias leucopterus</i>	Tern, white-winged	040191
<i>Chlidonias niger</i>	Tern, black	040190
<i>Chondestes grammacus</i>	Sparrow, lark	040384
<i>Chordeiles minor</i>	Nighthawk, common	040216
<i>Circus cyaneus</i>	Harrier, northern	040094
<i>Cistothorus palustris</i>	Wren, marsh	040269
<i>Cistothorus platensis</i>	Wren, sedge	040270
<i>Clangula hyemalis</i>	Oldsquaw	040069
<i>Coccothraustes vespertinus</i>	Grosbeak, evening	040365
<i>Coccyzus americanus</i>	Cuckoo, yellow-billed	040202
<i>Coccyzus erythrophthalmus</i>	Cuckoo, black-billed	040203
<i>Colaptes auratus</i>	Flicker, northern	040221
<i>Colinus virginianus</i>	Bobwhite, northern	040100
<i>Columba livia</i>	Dove, rock	040197
<i>Columbina passerina</i>	Dove, common ground	040200
<i>Contopus cooperi</i>	Flycatcher, olive-sided	040244
<i>Contopus virens</i>	Pewee, eastern wood	040243
<i>Conuropsis carolinensis</i>	Parakeet, Carolina	040201
<i>Coragyps atratus</i>	Vulture, black	040081
<i>Corvus brachyrhynchos</i>	Crow, American	040255
<i>Corvus corax</i>	Raven, common	040254
<i>Corvus ossifragus</i>	Crow, fish	040256
<i>Coturnicops noveboracensis</i>	Rail, yellow	040109
<i>Crotophaga sulcirostris</i>	Ani, groove-billed	040409
<i>Cyanocitta cristata</i>	Jay, blue	040252
<i>Cygnus columbianus columbianus</i>	Swan, tundra	040044
<i>Cygnus olor</i>	Swan, mute	040043
<i>Dendrocygna bicolor</i>	Whistling-duck, fulvous	040050
<i>Dendroica caerulescens</i>	Warbler, black-throated blue	040316
<i>Dendroica castanea</i>	Warbler, bay-breasted	040324
<i>Dendroica cerulea</i>	Warbler, cerulean	040320
<i>Dendroica coronata cornuta</i>	Warbler, yellow-rumped	040317
<i>Dendroica discolor</i>	Warbler, prairie	040328
<i>Dendroica dominica</i>	Warbler, yellow-throated	040322
<i>Dendroica fusca</i>	Warbler, blackburnian	040321
<i>Dendroica kirtlandii</i>	Warbler, Kirtland's	040327
<i>Dendroica magnolia</i>	Warbler, magnolia	040314
<i>Dendroica nigrescens</i>	Warbler, black-throated gray	040318

Dendroica palmarum	Warbler, palm	040329
Dendroica pensylvanica	Warbler, chestnut-sided	040323
Dendroica petechia	Warbler, yellow	040313
Dendroica pinus	Warbler, pine	040326
Dendroica striata	Warbler, blackpoll	040325
Dendroica tigrina	Warbler, Cape May	040315
Dendroica virens waynei	Warbler, black-throated green	040319
Dolichonyx oryzivorus	Bobolink	040343
Dryocopus pileatus	Woodpecker, pileated	040222
Dumetella carolinensis	Catbird, gray	040272
Ectopistes migratorius	Pigeon, passenger	040199
Egretta caerulea caerulea	Heron, little blue	040029
Egretta rufescens rufescens	Egret, reddish	040031
Egretta thula	Egret, snowy	040033
Egretta tricolor	Heron, tricolored	040034
Elanoides forficatus forficatus	Kite, swallow-tailed	040082
Empidonax alnorum	Flycatcher, alder	040241
Empidonax flaviventris	Flycatcher, yellow-bellied	040238
Empidonax minimus	Flycatcher, least	040242
Empidonax traillii	Flycatcher, willow	040240
Empidonax virescens	Flycatcher, Acadian	040239
Eremophila alpestris	Lark, horned	040245
Eudocimus albus	Ibis, white	040041
Euphagus carolinus	Blackbird, rusty	040349
Euphagus cyanocephalus	Blackbird, Brewer's	040350
Falco columbarius	Merlin	040097
* Falco peregrinus	Falcon, peregrine	041002
Falco rusticolus	Gyrfalcon	040415
Falco sparverius sparverius	Kestrel, American	040098
Fratercula artica	Puffin, Atlantic	040196
Fregata magnificens	Frigatebird, magnificent	040026
Fulica americana	Coot, American	040113
Fulmarus glacialis	Fulmar, northern	040009
Gallinago gallinago	Snipe, common	040141
Gallinula chloropus cachinnans	Moorhen, common	040112
Gavia arctica	Loon, Arctic	040002
Gavia immer	Loon, common	040001
Gavia stellata	Loon, red-throated	040003
Geothlypis trichas brachidactylus	Yellowthroat, common	040336
Grus canadensis	Crane, sandhill	040103
Guiraca caerulea caerulea	Grosbeak, blue	040360
Haematopus palliatus	Oystercatcher, American	040114
Haliaeetus leucocephalus leucocephalus	Eagle, bald	040093
Helminthorus vermicivorus	Warbler, worm-eating	040305
Himantopus mexicanus	Stilt, black-necked	040115
Hirundo rustica	Swallow, barn	040249
Histrionicus histrionicus	Duck, Harlequin	040070
Hylocichla mustelina	Thrush, wood	040277
Icteria virens virens	Chat, yellow-breasted	040337
Icterus galbula	Oriole, Baltimore	040348
Icterus spurius	Oriole, orchard	040347
Ictinia mississippiensis	Kite, Mississippi	040083
Ixobrychus exilis exilis	Bittern, least	040037
Ixoreus naevius	Thrush, varied	040276
Junco hyemalis	Junco, dark-eyed	040387
Lanius excubitor	Shrike, northern	040293
* Lanius ludovicianus	Shrike, loggerhead	041003

<i>Larus argentatus</i>	Gull, herring	040167
<i>Larus atricilla</i>	Gull, laughing	040173
<i>Larus californicus</i>	Gull, California	040169
<i>Larus canus</i>	Gull, mew	040171
<i>Larus delawarensis</i>	Gull, ring-billed	040170
<i>Larus fuscus</i>	Gull, lesser black-backed	040166
<i>Larus glaucopterus</i>	Gull, Iceland	040164
<i>Larus hyperboreus</i>	Gull, glaucous	040163
<i>Larus marinus</i>	Gull, great black-backed	040165
<i>Larus minutus</i>	Gull, little	040176
<i>Larus philadelphicus</i>	Gull, Bonaparte's	040175
<i>Larus pipixcan</i>	Gull, Franklin's	040174
<i>Larus ridibundus</i>	Gull, black-headed	040172
<i>Larus thayeri</i>	Gull, Thayer's	040168
<i>Laterallus jamaicensis</i>	Rail, black	040110
<i>Limnodromus griseus</i>	Dowitcher, short-billed	040142
<i>Limnodromus scolopaceus</i>	Dowitcher, long-billed	040143
<i>Limnothlypis swainsonii</i>	Warbler, Swainson's	040304
<i>Limosa fedoa</i>	Godwit, marbled	040126
<i>Limosa haemastica</i>	Godwit, Hudsonian	040124
<i>Limosa lapponica lapponica</i>	Godwit, bar-tailed	040125
<i>Lophodytes cucullatus</i>	Merganser, hooded	040077
<i>Loxia curvirostra</i>	Crossbill, red	040372
<i>Loxia leucoptera</i>	Crossbill, white-winged	040373
<i>Melanerpes carolinus</i>	Woodpecker, red-bellied	040223
<i>Melanerpes erythrocephalus</i>	Woodpecker, red-headed	040224
<i>Melanitta fusca deglandi</i>	Scoter, white-winged	040073
<i>Melanitta nigra americana</i>	Scoter, black	040075
<i>Melanitta perspicillata</i>	Scoter, surf	040074
<i>Meleagris gallopavo silvestris</i>	Turkey, wild	040102
<i>Melospiza georgiana</i>	Sparrow, swamp	040397
<i>Melospiza lincolni</i>	Sparrow, Lincoln's	040396
<i>Melospiza melodia</i>	Sparrow, song	040398
<i>Mergus merganser americanus</i>	Merganser, common	040078
<i>Mergus serrator serrator</i>	Merganser, red-breasted	040079
<i>Mimus polyglottos</i>	Mockingbird, northern	040271
<i>Mniotilla varia</i>	Warbler, black-and-white	040302
<i>Molothrus ater</i>	Cowbird, brown-headed	040353
<i>Morus bassanus</i>	Gannet, northern	040022
<i>Mycteria americana</i>	Stork, wood	040039
<i>Myiarchus cinerascens</i>	Flycatcher, ash-throated	040235
<i>Myiarchus crinitus</i>	Flycatcher, great crested	040234
<i>Neocrex erythrops</i>	Crake, paint-billed	040414
<i>Numenius americanus</i>	Curlew, long-billed	040128
<i>Numenius phaeopus</i>	Whimbrel	040127
<i>Nyctanassa violacea violacea</i>	Night-heron, yellow-crowned	040036
<i>Nyctea scandiaca</i>	Owl, snowy	040207
<i>Nycticorax nycticorax hoactii</i>	Night-heron, black-crowned	040035
<i>Oceanites oceanicus</i>	Storm-petrel, Wilson's	040017
<i>Oceanodroma leucorhoa</i>	Storm-petrel, Leach's	040016
<i>Oenanthe oenanthe</i>	Wheatear, northern	040283
<i>Opornis agilis</i>	Warbler, Connecticut	040334
<i>Opornis formosus</i>	Warbler, Kentucky	040333
<i>Opornis philadelphicus</i>	Warbler, mourning	040335
<i>Oreoscoptes montanus</i>	Thrasher, sage	040274
<i>Otus asio</i>	Screech-owl, eastern	040205
<i>Oxyura jamaicensis</i>	Duck, ruddy	040076

<i>Pagophila eburnea</i>	Gull, ivory	040408
<i>Pandion haliaetus carolinensis</i>	Osprey	040095
<i>Parula americana</i>	Parula, northern	040312
<i>Passer domesticus</i>	Sparrow, house	040342
<i>Passerculus sandwichensis</i>	Sparrow, savannah	040377
<i>Passerella iliaca</i>	Sparrow, fox	040395
<i>Passerina amoena</i>	Bunting, Lazuli	040362
<i>Passerina ciris ciris</i>	Bunting, painted	040363
<i>Passerina cyanea</i>	Bunting, indigo	040361
<i>Pelecanus erythrorhynchos</i>	Pelican, American white	040019
<i>Pelecanus occidentalis carolinensis</i>	Pelican, brown	040020
<i>Petrochelidon pyrrhonota pyrrhonota</i>	Swallow, cliff	040250
<i>Phaethon lepturus</i>	Tropicbird, white-tailed	040018
<i>Phalacrocorax auritus</i>	Cormorant, double-crested	040024
<i>Phalacrocorax carbo</i>	Cormorant, great	040023
<i>Phalaropus fulicaria</i>	Phalarope, red	040138
<i>Phalaropus lobatus</i>	Phalarope, red-necked	040137
<i>Phalaropus tricolor</i>	Phalarope, Wilson's	040136
<i>Phasianus colchicus</i>	Pheasant, ring-necked	040101
<i>Pheucticus ludovicianus</i>	Grosbeak, rose-breasted	040358
<i>Pheucticus melanocephalus</i>	Grosbeak, black-headed	040359
<i>Philomachus pugnax</i>	Ruff	040158
<i>Phoenicopterus ruber</i>	Flamingo, greater	040042
<i>Pica pica</i>	Magpie, black-billed	040253
<i>Picoides borealis borealis</i>	Woodpecker, red-cockaded	040228
<i>Picoides pubescens medianus</i>	Woodpecker, downy	040227
<i>Picoides villosus</i>	Woodpecker, hairy	040226
<i>Pinicola enucleator</i>	Grosbeak, pine	040368
<i>Pipilo chlorurus</i>	Towhee, green-tailed	040374
<i>Pipilo erythrrophthalmus</i>	Towhee, eastern	040375
<i>Piranga ludoviciana</i>	Tanager, western	040354
<i>Piranga olivacea</i>	Tanager, scarlet	040355
<i>Piranga rubra</i>	Tanager, summer	040356
<i>Plectrophenax nivalis nivalis</i>	Bunting, snow	040401
<i>Plegadis chihi</i>	Ibis, white-faced	040405
<i>Plegadis falcinellus</i>	Ibis, glossy	040040
<i>Pluvialis dominicus</i>	Golden-plover, American	040122
<i>Pluvialis squatarola</i>	Plover, black-bellied	040123
<i>Podiceps auritus</i>	Grebe, horned	040005
<i>Podiceps grisegena</i>	Grebe, red-necked	040004
<i>Podiceps nigricollis</i>	Grebe, eared	040006
<i>Podilymbus podiceps</i>	Grebe, pied-billed	040008
<i>Poecile atricapillus</i>	Chickadee, black-capped	040257
<i>Poecile carolinensis</i>	Chickadee, Carolina	040258
<i>Poecile hudsonicus</i>	Chickadee, boreal	040259
<i>Polioptila caerulea</i>	Gnatcatcher, blue-gray	040284
<i>Pooecetes gramineus</i>	Sparrow, vesper	040383
<i>Porphyrola martinica</i>	Gallinule, purple	040111
<i>Porzana carolina</i>	Sora	040108
<i>Progne subis</i>	Martin, purple	040251
<i>Protonotaria citrea</i>	Warbler, prothonotary	040303
<i>Pterodroma hasitata</i>	Petrel, black-capped	040015
<i>Puffinus gravis</i>	Shearwater, greater	040011
<i>Puffinus griseus</i>	Shearwater, sooty	040012
<i>Puffinus lherminieri lherminieri</i>	Shearwater, Audubon's	040014
<i>Puffinus puffinus puffinus</i>	Shearwater, manx	040013
<i>Quiscalus major</i>	Grackle, boat-tailed	040351

<i>Quiscalus quiscula</i>	Grackle, common	040352
<i>Rallus elegans</i>	Rail, king	040105
<i>Rallus limicola</i>	Rail, Virginia	040107
<i>Rallus longirostris crepitans</i>	Rail, clapper	040106
<i>Recurvirostra americana</i>	Avocet, American	040116
<i>Regulus calendula</i>	Kinglet, ruby-crowned	040286
<i>Regulus satrapa</i>	Kinglet, golden-crowned	040285
<i>Riparia riparia</i>	Swallow, bank	040247
<i>Rissa tridactyla</i>	Kittiwake, black-legged	040177
<i>Rynchops niger</i>	Skimmer, black	040192
<i>Sayornis phoebe</i>	Phoebe, eastern	040236
<i>Sayornis saya</i>	Phoebe, Say's	040237
<i>Scolopax minor</i>	Woodcock, American	040140
<i>Scolopax rusticola</i>	Woodcock, Eurasian	040139
<i>Seiurus aurocapillus</i>	Ovenbird	040330
<i>Seiurus motacilla</i>	Waterthrush, Louisiana	040332
<i>Seiurus noveboracensis</i>	Waterthrush, northern	040331
<i>Selasphorus rufus</i>	Hummingbird, rufous	040219
<i>Setophaga ruticilla</i>	Redstart, American	040341
<i>Sialia sialis</i>	Bluebird, eastern	040282
<i>Sitta canadensis</i>	Nuthatch, red-breasted	040262
<i>Sitta carolinensis</i>	Nuthatch, white-breasted	040261
<i>Sitta pusilla</i>	Nuthatch, brown-headed	040263
<i>Somateria mollissima</i>	Eider, common	040071
<i>Somateria spectabilis</i>	Eider, king	040072
<i>Sphyrapicus varius</i>	Sapsucker, yellow-bellied	040225
<i>Spiza americana</i>	Dickcissel	040364
<i>Spizella arborea</i>	Sparrow, American tree	040388
<i>Spizella pallida</i>	Sparrow, clay-colored	040390
<i>Spizella passerina</i>	Sparrow, chipping	040389
<i>Spizella pusilla</i>	Sparrow, field	040391
<i>Stelgidopteryx serripennis</i>	Swallow, northern rough-winged	040248
<i>Stercorarius longicaudus</i>	Jaeger, long-tailed	040161
<i>Stercorarius parasiticus</i>	Jaeger, parasitic	040160
<i>Stercorarius pomarinus</i>	Jaeger, pomarine	040159
<i>Sterna anaethetus</i>	Tern, bridled	040185
<i>Sterna antillarum</i>	Tern, least	040186
<i>Sterna caspia</i>	Tern, Caspian	040189
<i>Sterna dougallii</i>	Tern, roseate	040183
<i>Sterna elegans</i>	Tern, elegant	040412
<i>Sterna forsteri</i>	Tern, Forster's	040180
<i>Sterna fuscata</i>	Tern, sooty	040184
<i>Sterna hirundo</i>	Tern, common	040181
<i>Sterna maxima maximus</i>	Tern, royal	040187
<i>Sterna nilotica aranea</i>	Tern, gull-billed	040179
<i>Sterna paradisaea</i>	Tern, Arctic	040182
<i>Sterna sandvicensis acuflavidus</i>	Tern, sandwich	040188
<i>Strix varia</i>	Owl, barred	040209
<i>Sturnella magna</i>	Meadowlark, eastern	040344
<i>Sturnus vulgaris</i>	Starling, European	040294
<i>Sula leucogaster</i>	Booby, brown	040021
<i>Tachycineta bicolor</i>	Swallow, tree	040246
<i>Thalassarche chlororhynchos</i>	Albatross, yellow-nosed	040404
<i>Thryomanes bewickii altus</i>	Wren, Appalachian Bewick's	040267
<i>Thryothorus ludovicianus</i>	Wren, Carolina	040268
<i>Toxostoma rufum</i>	Thrasher, brown	040273
<i>Tringa flavipes</i>	Yellowlegs, lesser	040131

Tringa melanoleuca	Yellowlegs, greater	040130
Tringa solitaria	Sandpiper, solitary	040132
Troglodytes aedon	Wren, house	040265
Troglodytes troglodytes	Wren, winter	040266
Tryngites subruficollis	Sandpiper, buff-breasted	040157
Turdus migratorius	Robin, American	040275
Tyrannus dominicensis	Kingbird, gray	040230
Tyrannus forficatus	Flycatcher, scissor-tailed	040233
Tyrannus tyrannus	Kingbird, eastern	040229
Tyrannus verticalis	Kingbird, western	040231
Tyrannus vociferans	Kingbird, Cassin's	040232
Tyto alba pratincola	Owl, barn	040204
Uria lomvia	Murre, thick-billed	040194
Vermivora bachmanii	Warbler, Bachman's	040308
Vermivora celata	Warbler, orange-crowned	040310
Vermivora chrysoptera	Warbler, golden-winged	040306
Vermivora peregrina	Warbler, Tennessee	040309
Vermivora pinus	Warbler, blue-winged	040307
Vermivora ruficapilla	Warbler, Nashville	040311
Vireo bellii	Vireo, Bell's	040296
Vireo flavifrons	Vireo, yellow-throated	040297
Vireo gilvus gilvus	Vireo, warbling	040301
Vireo griseus	Vireo, white-eyed	040295
Vireo olivaceus	Vireo, red-eyed	040299
Vireo philadelphicus	Vireo, Philadelphia	040300
Vireo solitarius	Vireo, blue-headed	040298
Wilsonia canadensis	Warbler, Canada	040340
Wilsonia citrina	Warbler, hooded	040338
Wilsonia pusilla	Warbler, Wilson's	040339
Xanthocephalus xanthocephalus	Blackbird, yellow-headed	040345
Xema sabini	Gull, Sabine's	040178
Zenaida macroura carolinensis	Dove, mourning	040198
Zonotrichia albicollis	Sparrow, white-throated	040394
Zonotrichia leucophrys	Sparrow, white-crowned	040393
Zonotrichia querula	Sparrow, Harris'	040392

MAMMALS

*	Blarina brevicauda	Shrew, short-tailed	051001
	Blarina carolinensis carolinensis	Shrew, Southern short-tailed	050011
	Canis latrans	Coyote	050125
*	Castor canadensis	Beaver	051002
	Cervus nippon nippon	Deer, sika	050114
*	Clethrionomys gapperi	Vole, Gapper's red-backed	051003
*	Condylura cristata	Mole, star-nosed	051004
	Cryptotis parva parva	Shrew, least	050015
	Didelphis virginiana virginiana	Opossum, Virginia	050001
	Eptesicus fuscus fuscus	Bat, big brown	050028
	Erithizon dorsatum dorsatum	Porcupine	050101
	Felis concolor cougar	Cougar, eastern	050112
	Glaucomys sabrinus	Squirrel, northern flying	050068
*	Glaucomys volans	Squirrel, southern flying	051007
	Lasionycteris noctivagans	Bat, silver-haired	050025
	Lasiurus borealis borealis	Bat, eastern red	050029
	Lasiurus cinereus cinereus	Bat, hoary	050030
	Lasiurus intermedius floridanus	Bat, northern yellow	050109

	<i>Lasiurus seminolus</i>	Bat, seminole	050031
*	<i>Lepus americanus</i>	Hare, snowshoe	051008
	<i>Lepus californicus</i>	Jackrabbit, black-tailed	050132
	<i>Lontra canadensis lataxina</i>	Otter, river	050045
*	<i>Lynx rufus</i>	Bobcat	051005
	<i>Marmota monax monax</i>	Woodchuck	050054
	<i>Martes pennanti pennanti</i>	Fisher	050113
*	<i>Mephitis mephitis</i>	Skunk, striped	051009
	<i>Microtus chrotorrhinus carolinensis</i>	Vole, rock	050084
*	<i>Microtus pennsylvanicus</i>	Vole, meadow	051010
*	<i>Microtus pinetorum</i>	Vole, pine	051011
	<i>Mus musculus musculus</i>	Mouse, house	050098
	<i>Mustela frenata noveboracensis</i>	Weasel, long-tailed	050041
	<i>Mustela nivalis allegheniensis</i>	Weasel, least	050040
*	<i>Mustela vison</i>	Mink	051012
	<i>Myocastor coypus</i>	Nutria	050053
	<i>Myotis austroriparius</i>	Myotis, southeastern	050131
	<i>Myotis grisescens</i>	Bat, gray	050021
	<i>Myotis leibii</i>	Myotis, small-footed	050024
	<i>Myotis lucifugus lucifugus</i>	Bat, little brown	050020
	<i>Myotis septentrionalis septentrionalis</i>	Myotis, northern long-eared	050022
	<i>Myotis sodalis</i>	Bat, Indiana	050023
*	<i>Napaeozapus insignis</i>	Mouse, woodland jumping	051013
	<i>Neotoma magister</i>	Woodrat, Allegheny	050081
	<i>Nycticeius humeralis humeralis</i>	Bat, evening	050033
*	<i>Ochrotomys nuttalli</i>	Mouse, golden	051014
	<i>Odocoileus virginianus</i>	Deer, white-tailed	050108
*	<i>Ondatra zibethicus</i>	Muskrat	051015
	<i>Oryzomys palustris palustris</i>	Rat, marsh rice	050078
	<i>Parascalops breweri</i>	Mole, hairy-tailed	050016
	<i>Peromyscus gossypinus gossypinus</i>	Mouse, cotton	050075
*	<i>Peromyscus leucopus</i>	Mouse, white-footed	051016
*	<i>Peromyscus maniculatus</i>	Mouse, deer	051017
	<i>Pipistrellus subflavus subflavus</i>	Pipistrelle, eastern	050027
	<i>Plecotus (Corynorhinus) townsendii virginianus</i>	Bat, Virginia big-eared	050035
*	<i>Plecotus rafinesquii</i>	Bat, big-eared	051018
*	<i>Procyon lotor</i>	Raccoon	051019
	<i>Rattus norvegicus norvegicus</i>	Rat, Norway	050095
	<i>Rattus rattus rattus</i>	Rat, black	050094
*	<i>Reithrodontomys humulis</i>	Mouse, harvest	051020
*	<i>Scalopus aquaticus</i>	Mole, eastern	051021
*	<i>Sciurus carolinensis</i>	Squirrel, gray	051022
*	<i>Sciurus niger</i>	Squirrel, fox	051023
	<i>Sigmodon hispidus virginianus</i>	Rat, hispid cotton	050079
*	<i>Sorex cinereus</i>	Shrew, masked	051024
	<i>Sorex dispar dispar</i>	Shrew, long-tailed	050006
	<i>Sorex fumeus fumeus</i>	Shrew, smokey	050004
	<i>Sorex hoyi winnemana</i>	Shrew, pygmy	050010
*	<i>Sorex longirostris</i>	Shrew, southeastern	051025
	<i>Sorex palustris punctulatus</i>	Shrew, water	050009
	<i>Spilogale putorius putorius</i>	Skunk, eastern spotted	050046
*	<i>Sylvilagus floridanus</i>	Cottontail, eastern	051026
	<i>Sylvilagus obscurus</i>	Cottontail, Appalachian	050106
	<i>Sylvilagus palustris palustris</i>	Rabbit, marsh	050107
*	<i>Synaptomys cooperi</i>	Lemming, southern bog	051027
*	<i>Tamias striatus</i>	Chipmunk, eastern	051028
*	<i>Tamiasciurus hudsonicus</i>	Squirrel, red	051029

<i>Urocyon cinereoargenteus</i>	<i>cinereoargenteus</i>	Fox, eastern gray	050050
<i>Ursus americanus</i>	<i>americanus</i>	Bear, black	050037
<i>Vulpes vulpes</i>	<i>fulva</i>	Fox, red	050049
<i>Zapus hudsonius</i>	<i>americanus</i>	Mouse, meadow jumping	050099
		Bat spp.	052001
		Mole spp.	052002
		Mouse spp.	052003
		Rat spp.	052004
		Shrew spp.	052005
		Vole spp.	052006

DRAGONFLIES AND DAMSELFLIES

<i>Aeshna mutata</i>		Dragonfly, spatterdock darner	080182
<i>Aeshna tuberculifera</i>		Dragonfly, black-tipped darner	080183
<i>Aeshna umbrosa</i>		Dragonfly, Shadow darner	080029
<i>Amphiagrion saucium</i>		Damselfly, Eastern red damsel	080172
<i>Anax junius</i>		Dragonfly, common green darner	080130
<i>Anax longipes</i>		Dragonfly, comet darner	080131
<i>Archilestes grandis</i>		Damselfly, great spreadwing	080196
<i>Argia apicalis</i>		Damselfly, blue-fronted dancer	080112
<i>Argia bipunctulata</i>		Damselfly, seepage dancer	080113
<i>Argia fumipennis violacea</i>		Damselfly, Violet dancer	080095
<i>Argia moesta</i>		Damselfly, powdered dancer	080173
<i>Argia sedula</i>		Damselfly, blue-ringed dancer	080174
<i>Argia tibialis</i>		Damselfly, blue-tipped dancer	080114
<i>Arigomphus villosipes</i>		Dragonfly, unicorn clubtail	080077
<i>Basiaeschna janata</i>		Dragonfly, springtime darner	080132
<i>Boyeria grafiana</i>		Dragonfly, ocellated darner	080198
<i>Boyeria vinosa</i>		Dragonfly, fawn darner	080133
<i>Brachymesia gravida</i>		Dragonfly, four-spotted pennant	080206
<i>Calopteryx angustipennis</i>		Damselfly, Appalachian jewelwing	080002
<i>Calopteryx dimidata</i>		Damselfly, sparkling jewelwing	080106
<i>Calopteryx maculata</i>		Damselfly, ebony jewelwing	080096
<i>Celithemis elisa</i>		Dragonfly, calico pennant	080150
<i>Celithemis eponina</i>		Dragonfly, halloween pennant	080151
<i>Celithemis fasciata</i>		Dragonfly, banded pennant	080152
<i>Celithemis martha</i>		Dragonfly, Martha's pennant	080153
<i>Celithemis verna</i>		Dragonfly, double-ringed pennant	080154
<i>Chromagrion conditum</i>		Damselfly, Aurora damsel	080097
<i>Cordulegaster bilineata</i>		Dragonfly, brown spiketail	080140
<i>Cordulegaster diastatops</i>		Dragonfly, delta-spotted spiketail	080192
<i>Cordulegaster erronea</i>		Dragonfly, tiger spiketail	080141
<i>Cordulegaster maculata</i>		Dragonfly, twin-spotted spiketail	080087
<i>Cordulegaster obliqua</i>		Dragonfly, arrowhead spiketail	080088
<i>Cordulia shurtleffi</i>		Dragonfly, American emerald	080193
<i>Didymops transversa</i>		Dragonfly, stream cruiser	080142
<i>Dromogomphus spinosus</i>		Dragonfly, black-shouldered spinyle	080177
<i>Enallagma aspersum</i>		Damselfly, azure bluet	080115
<i>Enallagma basidens</i>		Damselfly, double-striped bluet	080098
<i>Enallagma civile</i>		Damselfly, familiar bluet	080116
<i>Enallagma daeckii</i>		Damselfly, attenuated bluet	080117
<i>Enallagma divagans</i>		Damselfly, turquoise bluet	080118
<i>Enallagma dubium</i>		Damselfly, burgundy bluet	080119
<i>Enallagma durum</i>		Damselfly, big bluet	080208
<i>Enallagma exsulans</i>		Damselfly, stream bluet	080120

<i>Enallagma geminatum</i>	Damselfly, skimming bluet	080121
<i>Enallagma pallidum</i>	Damselfly, pale bluet	080181
<i>Enallagma signatum</i>	Damselfly, orange bluet	080122
<i>Enallagma traviatum</i>	Damselfly, slender bluet	080123
<i>Enallagma vesperum</i>	Damselfly, vesper bluet	080124
<i>Epiaeschna heros</i>	Dragonfly, swamp darner	080094
<i>Epitheca costalis</i>	Dragonfly, stripe-winged baskettail	080194
<i>Epitheca cynosura</i>	Dragonfly, common baskettail	080089
<i>Epitheca princeps</i>	Dragonfly, prince baskettail	080210
<i>Epitheca spinosa</i>	Dragonfly, robust baskettail	080144
<i>Erpetogomphus designatus</i>	Dragonfly, Eastern ringtail	080199
<i>Erythemis simplicicollis</i>	Dragonfly, Eastern pondhawk	080092
<i>Erythrodiplax berenice</i>	Dragonfly, seaside dragonlet	080211
<i>Erythrodiplax minuscula</i>	Dragonfly, little blue dragonlet	080155
<i>Gomphaeschna antilope</i>	Dragonfly, taper-tailed darner	080209
<i>Gomphaeschna furcillata</i>	Dragonfly, harlequin darner	080134
<i>Gomphus abbreviatus</i>	Dragonfly, spine-crowned clubtail	080184
<i>Gomphus consanguis</i>	Dragonfly, Cherokee clubtail	080101
<i>Gomphus exilis</i>	Dragonfly, lancet clubtail	080136
<i>Gomphus lineatifrons</i>	Dragonfly, splendid clubtail	080200
<i>Gomphus lividus</i>	Dragonfly, ashy clubtail	080137
<i>Gomphus parvidens</i>	Dragonfly, Piedmont clubtail	080185
<i>Gomphus quadricolor</i>	Dragonfly, rapids clubtail	080186
<i>Gomphus rogersi</i>	Dragonfly, sable clubtail	080086
<i>Gomphus septima</i>	Dragonfly, Septima's clubtail	080103
<i>Gomphus vastus</i>	Dragonfly, cobra clubtail	080201
<i>Gomphus viridifrons</i>	Dragonfly, green-faced clubtail	080187
<i>Hagenius brevistylus</i>	Dragonfly, dragonhunter	080138
<i>Helocordulia selysi</i>	Dragonfly, Sely's sundragon	080145
<i>Hetaerina titia</i>	Damselfly, smoky rubyspot	080180
<i>Ischnura hastata</i>	Damselfly, citrine forktail	080125
<i>Ischnura kellicotti</i>	Damselfly, lilypad forktail	080126
<i>Ischnura posita</i>	Damselfly, fragile forktail	080099
<i>Ischnura prognata</i>	Damselfly, furtive forktail	080175
<i>Ischnura ramburii</i>	Damselfly, Rambur's forktail	080127
<i>Ischnura verticalis</i>	Damselfly, Eastern forktail	080100
<i>Lanthus parvulus</i>	Dragonfly, Northern pygmy clubtail	080188
<i>Lanthus vernalis</i>	Dragonfly, Southern pygmy clubtail	080189
<i>Lestes congener</i>	Damselfly, spotted spreadwing	080107
<i>Lestes disjunctus</i>	Damselfly, common spreadwing	080109
<i>Lestes eurinus</i>	Damselfly, amber-winged spreadwing	080197
<i>Lestes forcipatus</i>	Damselfly, sweetflag spreadwing	080171
<i>Lestes inaequalis</i>	Damselfly, elegant spreadwing	080108
<i>Lestes rectangularis</i>	Damselfly, slender spreadwing	080110
<i>Lestes vigilax</i>	Damselfly, swamp spreadwing	080111
<i>Libellula auripennis</i>	Dragonfly, golden-winged skimmer	080156
<i>Libellula axilena</i>	Dragonfly, bar-winged skimmer	080157
<i>Libellula cyanea</i>	Dragonfly, spangled skimmer	080158
<i>Libellula deplanata</i>	Dragonfly, blue corporal	080159
<i>Libellula flava</i>	Dragonfly, yellow-sided skimmer	080160
<i>Libellula incesta</i>	Dragonfly, slaty skimmer	080161
<i>Libellula luctuosa</i>	Dragonfly, widow skimmer	080162
<i>Libellula lydia</i>	Dragonfly, common whitetail	080090
<i>Libellula needhami</i>	Dragonfly, Needham's skimmer	080178
<i>Libellula pulchella</i>	Dragonfly, twelve-spotted skimmer	080015
<i>Libellula semifasciata</i>	Dragonfly, painted skimmer	080163
<i>Libellula vibrans</i>	Dragonfly, great blue skimmer	080164

<i>Macromia illinoiensis</i>	Dragonfly, Illinois river cruiser	080143
<i>Macromia margarita</i>	Dragonfly, mountain river cruiser	080104
<i>Macromia taeniolata</i>	Dragonfly, royal river cruiser	080204
<i>Nannothemis bella</i>	Dragonfly, elfin skimmer	080165
<i>Nasiaeschna pentacantha</i>	Dragonfly, Cyrano darner	080135
<i>Nehalennia gracilis</i>	Damselfly, sphagnum sprite	080176
<i>Nehalennia integrifollis</i>	Damselfly, Southern sprite	080128
<i>Neurocordulia obsoleta</i>	Dragonfly, umber shadowdragon	080205
<i>Ophiogomphus allegheniensis</i>	Dragonfly, Allegheny clubtail	080190
<i>Ophiogomphus howei</i>	Dragonfly, pygmy	080003
<i>Ophiogomphus incurvatus alleghaniensis</i>	Dragonfly, Appalachian snaketail	080105
<i>Pachydiplax longipennis</i>	Dragonfly, blue dasher	080091
<i>Pantala flavescens</i>	Dragonfly, wandering glider	080166
<i>Pantala hymenea</i>	Dragonfly, spot-winged glider	080212
<i>Perithemis tenera</i>	Dragonfly, Eastern amberwing	080167
<i>Progomphus obscurus</i>	Dragonfly, common sanddragon	080139
<i>Somatochlora filosa</i>	Dragonfly, fine-lined emerald	080146
<i>Somatochlora linearis</i>	Dragonfly, mocha emerald	080147
<i>Somatochlora provocans</i>	Dragonfly, treetop emerald	080148
<i>Somatochlora tenebrosa</i>	Dragonfly, clamp-tipped emerald	080149
<i>Stylogomphus albistylus</i>	Dragonfly, least clubtail	080202
<i>Stylurus notatus</i>	Dragonfly, elusive clubtail	080102
<i>Stylurus scudderi</i>	Dragonfly, zebra clubtail	080191
<i>Stylurus spiniceps</i>	Dragonfly, arrow clubtail	080203
<i>Sympetrum ambiguum</i>	Dragonfly, blue-faced meadowhawk	080168
<i>Sympetrum rubicundulum</i>	Dragonfly, ruby meadowhawk	080179
<i>Sympetrum semicinctum</i>	Dragonfly, bond-winged meadowhawk	080207
<i>Sympetrum vicinum</i>	Dragonfly, yellow-legged meadow hawk	080063
<i>Tachopteryx thoreyi</i>	Dragonfly, gray petaltail	080001
<i>Telebasis byersi</i>	Damselfly, duckweed firetail	080129
<i>Tramea carolina</i>	Dragonfly, Carolina saddlebags	080169
<i>Tramea lacerata</i>	Dragonfly, black saddlebags	080170
<i>Tramea onusta</i>	Dragonfly, red saddlebags	080195

BUTTERFLIES AND MOTHS

<i>Achalarus lyciades</i>	Butterfly, hoary edge	100141
<i>Actias luna</i>	Moth, Luna	100095
<i>Agraulis vanillae nigrior</i>	Butterfly, gulf fritillary	100246
<i>Amblyscirtes aesculapius</i>	Butterfly, lace-winged road-skipper	100191
<i>Amblyscirtes alternata</i>	Butterfly, dusky road-skipper	100192
<i>Amblyscirtes carolina</i>	Butterfly, Carolina road-skipper	100189
<i>Amblyscirtes hegon</i>	Butterfly, pepper and salt road-ski	100194
<i>Amblyscirtes reversa</i>	Butterfly, reversed road-skipper	100190
<i>Amblyscirtes vialis</i>	Butterfly, common road-skipper	100193
<i>Amphion floridensis</i>	Moth, Nessus sphinx	100315
<i>Anaea andria</i>	Butterfly, goatweed leafwing	100282
<i>Anatrytone logan</i>	Butterfly, Delaware skipper	100177
<i>Ancyloxypha numitor</i>	Butterfly, least skipper	100160
<i>Anisota stigma</i>	Moth, spiny oakworm	100287
<i>Anisota virginiensis</i>	Moth, pinkstriped oakworm	100289
<i>Anistora senatoria</i>	Moth, orangestriped oakworm	100288
<i>Antheraea polyphemus</i>	Moth, Polyphemus	100098
<i>Anthocharis midea</i>	Butterfly, falcate orangetip	100209
<i>Apamea smythi</i>	Moth, Smyth's apamea	100320
<i>Apantesis virgo</i>	Moth, virgin tiger	100076

Ascia monuste phileta	Butterfly, great southern white	100208
Asterocampa celtis	Butterfly, hackberry emperor	100270
Asterocampa clyton	Butterfly, tawny emperor	100269
Atalopedes campestris	Butterfly, sachem	100174
Atlides halesus	Butterfly, great purple hairstreak	100222
Atrytone arogos	Butterfly, Arogos skipper	100176
Atrytonopsis hianna	Butterfly, dusted skipper	100188
Autochton cellus	Butterfly, golden-banded skipper	100139
Automeris io	Moth, Io	100096
Battus philenor	Butterfly, pipevine swallowtail	100200
Boloria bellona	Butterfly, meadow fritillary	100252
Boloria selene	Butterfly, silver-bordered fritilla	100253
Calephelis borealis	Butterfly, northern metalmark	100243
Calephelis virgininiensis	Butterfly, little metalmark	100244
Callophrys augustinus	Butterfly, brown elfin	100137
Callophrys gryneus gryneus	Butterfly, olive juniper hairstreak	100236
Callophrys henrici	Butterfly, Henry's elfin	100224
Callophrys hesseli	Butterfly, Hessel's hairstreak	100237
Callophrys irus	Butterfly, frosted elfin	100223
Callophrys niphon	Butterfly, eastern pine elfin	100225
Callophrys polius	Butterfly, hoary elfin	100138
Callosamia angulifera	Moth, tulip-tree silk	100293
Callosamia promethea	Moth, Promethea	100292
Callosamia securifera	Moth, sweetbay silk	100291
Calpodes ethlius	Butterfly, Brazilian skipper	100196
Calycopis cecrops	Butterfly, red-banded hairstreak	100235
Catocala cara	Moth, darling underwing	100088
Catocala pretiosa pretiosa	Moth, precious underwing	100321
Celastrina ladon	Butterfly, spring azure	100239
Celastrina neglectamajor	Butterfly, Appalachian azure	100241
Celastrina nigra (=ebinina)	Butterfly, dusky azure	100240
Ceratomia amyntor	Moth, elm sphinx	100299
Ceratomia catalpae	Moth, catalpa sphinx	100100
Ceratomia undulosa	Moth, waved shinx	100300
Cercyonis pegala	Butterfly, common wood-nymph	100277
Cercyonis pegala	Butterfly, wood nymph	100099
Chlosyne nycteis	Butterfly, silvery checkerspot	100255
Citheronia regalis	Moth, regal	100284
Citheronia sepulcralis	Moth, pine-devil	100285
Colias cesonia	Butterfly, southern dogface	100212
Colias eurytheme	Butterfly, orange sulphur	100211
Colias interior	Butterfly, pink-edged sulphur	100280
Colias philodice	Butterfly, clouded sulphur	100094
Cydia pomonella	Moth, codling	100040
Cyllopsis gemma	Butterfly, gemmed satyr	100276
Danaus plexippus	Butterfly, monarch	100079
Darapsa myron	Moth, Virginia-creeper sphinx	100317
Darapsa pholus	Moth, azalea sphinx	100318
Darapsa versicolor	Moth, hydrangea sphinx	100316
Dryocampa rubicunda	Moth, rosy maple	100286
Eacles imperialis	Moth, imperial	100283
Enodia anthedon	Butterfly, northern pearly-eye	100272
Enodia creola	Butterfly, creole pearly-eye	100271
Enodia portlandia	Butterfly, southern pearly-eye	100273
Epargyreus clarus	Butterfly, silver-spotted skipper	100082
Erora laeta	Butterfly, early hairstreak	100229
Erynnis baptisiae	Butterfly, wild indigo duskywing	100153

<i>Erynnis brizo</i>	Butterfly, sleepy duskywing	100146
<i>Erynnis horatius</i>	Butterfly, Horace's duskywing	100149
<i>Erynnis icelus</i>	Butterfly, dreamy duskywing	100147
<i>Erynnis juvenalis</i>	Butterfly, Juvenal's duskywing	100148
<i>Erynnis lucilius</i>	Butterfly, columbine duskywing	100152
<i>Erynnis martialis</i>	Butterfly, mottled duskywing	100150
<i>Erynnis persius</i>	Butterfly, Persius duskywing	100154
<i>Erynnis zarucco</i>	Butterfly, Zarucco duskywing	100151
<i>Erythroecia hebardi</i>	Moth, Hebard's noctuid	100324
<i>Euchlaena milnei</i>	Moth, looper	100325
<i>Euchloe olympia</i>	Butterfly, Olympia marble	100210
<i>Eumorpha pandorus</i>	Moth, Pandorus sphinx	100314
<i>Euphydryas phaeton</i>	Butterfly, Baltimore checkerspot	100254
<i>Euphyes bimacula</i>	Butterfly, two-spotted skipper	100187
<i>Euphyes conspicua</i>	Butterfly, black dash	100186
<i>Euphyes dion</i>	Butterfly, Dion skipper	100184
<i>Euphyes dukesi</i>	Butterfly, Duke's skipper	100002
<i>Euphyes pilatka</i>	Butterfly, Palatka skipper	100183
<i>Euphyes vestris</i>	Butterfly, Dun skipper	100185
<i>Euptoieta claudia</i>	Butterfly, variegated fritillary	100247
<i>Eurema daira</i>	Butterfly, barred yellow	100215
<i>Eurema lisa</i>	Butterfly, little yellow	100217
<i>Eurema nicippe</i>	Butterfly, sleepy orange	100216
<i>Eurytides marcellus</i>	Butterfly, zebra swallowtail	100204
<i>Everes comyntas</i>	Butterfly, eastern tailed-blue	100238
<i>Feniseca tarquinius</i>	Butterfly, harvester	100219
<i>Glaucopsyche lygdamus</i>	Butterfly, silvery blue	100242
<i>Hemaris thysbe</i>	Moth, hummingbird clearwing	100312
<i>Hemeris diffinis</i>	Moth, snowberry clearwing	100101
<i>Hemileuca maia</i>	Moth, buck	100290
<i>Hepialus sciophanacs</i>	Moth, ghost	100326
<i>Hermeuptychia sosybius</i>	Butterfly, Carolina satyr	100278
<i>Hesperia attalus</i>	Butterfly, dotted skipper	100166
<i>Hesperia leonardus</i>	Butterfly, Leonard's skipper	100163
<i>Hesperia metea</i>	Butterfly, cobweb skipper	100165
<i>Hesperia sassacus</i>	Butterfly, Indian skipper	100164
<i>Heterocampa guttivitta</i>	Moth, saddle prominent	100089
<i>Hyalophora cecropia</i>	Moth, Cecropia	100097
<i>Hylephila phyleus</i>	Butterfly, fiery skipper	100162
<i>Hyles lineata</i>	Moth, whitelined sphinx	100294
<i>Junonia coenia</i>	Butterfly, common buckeye	100265
<i>Laothoe juglandis</i>	Moth, walnut sphinx	100311
<i>Lapara bombycoides</i>	Moth, northern pine sphinx	100308
<i>Lapara coniferarum</i>	Moth, pine sphinx	100307
<i>Lerema accius</i>	Butterfly, clouded skipper	100159
<i>Lerodea eufala</i>	Butterfly, Eufala skipper	100195
<i>Libytheana carinenta</i>	Butterfly, American snout	100245
<i>Limenitis archippus</i>	Butterfly, viceroy	100266
<i>Limenitis arthemis arthemis</i>	Butterfly, white admiral	100267
<i>Limenitis arthemis astyanax</i>	Butterfly, red-spotted purple	100268
<i>Lycaena hyllus</i>	Butterfly, bronze copper	100221
<i>Lycaena phlaeas</i>	Butterfly, American copper	100220
<i>Lymantria dispar</i>	Moth, gypsy	100047
<i>Manduca jasminearum</i>	Moth, ash sphinx	100298
<i>Manduca quinquemaculata</i>	Moth, Five-spotted hawk	100296
<i>Manduca rustica</i>	Moth, rustic sphinx	100297
<i>Manduca sexta</i>	Moth, Carolina sphinx	100295

Megathymus yuccae	Butterfly, yucca giant-skipper	100199
Megisto cymela	Butterfly, little wood-satyr	100279
Nastra lherminier	Butterfly, swarthy skipper	100158
Nathalis iole	Butterfly, dainty sulphur	100218
Neonympha areolata	Butterfly, Georgia satyr	100275
Nymphalis antiopa	Butterfly, mourning cloak	100090
Panoquina ocola	Butterfly, Ocola skipper	100197
Panoquina panoquin	Butterfly, salt marsh skipper	100198
Paonias excaecatus	Moth, blinded sphinx	100309
Paonias myops	Moth, small-eyed sphinx	100310
Papilio cresphontes	Butterfly, giant swallowtail	100201
Papilio glaucus	Butterfly, eastern tiger swallowtail	100093
Papilio palamedes	Butterfly, Palamedes swallowtail	100203
Papilio polyxenes asterius	Butterfly, black swallowtail	100092
Papilio troilus	Butterfly, spicebush swallowtail	100202
Paratrea plebeja	Moth, Plebeian sphinx	100302
Parrhasius m-album	Butterfly, white M hairstreak	100227
Phoebis philea	Butterfly, orange-barred sulphur	100214
Phoebis sennae eubule	Butterfly, cloudless sulphur	100213
Pholisora catullus	Butterfly, common sootywing	100157
Phyciodes batesii	Butterfly, tawny crescent	100256
Phyciodes selenis	Butterfly, northern crescent	100281
Phyciodes tharos	Butterfly, pearl crescent	100257
Pieris rapae	Butterfly, cabbage white	100205
Pieris virginensis	Butterfly, West Virginia white	100207
Poanes aaroni	Butterfly, Aaron's skipper	100181
Poanes hobomok	Butterfly, Hobomok skipper	100178
Poanes viator	Butterfly, broad-winged skipper	100179
Poanes yehl	Butterfly, Yehl skipper	100182
Poanes zabulon	Butterfly, Zabulon skipper	100180
Polites carus	Butterfly, carus skipper	100167
Polites mystic	Butterfly, long dash	100170
Polites origenes	Butterfly, crossline skipper	100168
Polites themistocles	Butterfly, tawny-edged skipper	100169
Polites vibex	Butterfly, whirlabout	100171
Polygonia comma	Butterfly, eastern comma	100258
Polygonia faunus	Butterfly, green comma	100261
Polygonia interrogationis	Butterfly, question mark	100259
Polygonia progne	Butterfly, gray comma	100260
Pompeius verna	Butterfly, little glassywing	100175
Pontia protodice	Butterfly, checkered white	100206
Problema bulenta	Butterfly, rare skipper	100003
Pyrgus centaureae wyandot	Butterfly, grizzled skipper	100155
Pyrgus communis	Butterfly, common checkered-skipper	100156
Pyrrharctia isabella	Moth, Isabella tiger	100358
Rhyacionia frustrana	Moth, Nantucket pine tip	100045
Satyrium calanus	Butterfly, banded hairstreak	100232
Satyrium caryaevorum	Butterfly, hickory hairstreak	100233
Satyrium edwardsii	Butterfly, Edwards' hairstreak	100231
Satyrium favonius	Butterfly, southern hairstreak	100226
Satyrium kingi	Butterfly, King's hairstreak	100004
Satyrium liparops	Butterfly, striped hairstreak	100234
Satyrium titus	Butterfly, coral hairstreak	100230
Satyrodes appalachia	Butterfly, Appalachian brown	100274
Semiothisa fraserrata	Moth, Fraser fir geometrid	100355
Speyeria aphrodite	Butterfly, Aprhodite fritillary	100250
Speyeria atlantis	Butterfly, Atlantis fritillary	100251

Speyeria cybele	Butterfly, great spangled fritillary	100249
Speyeria diana	Butterfly, Diana fritillary	100001
Speyeria idalia	Butterfly, regal fritillary	100248
Sphinx eremita	Moth, hermit sphinx	100303
Sphinx franckii	Moth, Franck's sphinx	100304
Sphinx gordius	Moth, apple sphinx	100306
Sphinx kalmiae	Moth, laurel sphinx	100305
Staphylus hayhurstii	Butterfly, Hayhurst's scalloping	100145
Strymon melinus	Butterfly, gray hairstreak	100228
Synanthedon castaneae	Moth, clear-wing	100014
Thorybes bathyllus	Butterfly, southern cloudywing	100142
Thorybes confitis	Butterfly, confused cloudywing	100144
Thorybes pylades	Butterfly, northern cloudywing	100143
Thymelicus lineola	Butterfly, European skipper	100161
Tischeria perplexa	Moth, leaf-mining	100013
Urbanus proteus	Butterfly, long-tailed skipper	100140
Vanessa atalanta	Butterfly, red admiral	100264
Vanessa cardui	Butterfly, painted lady	100263
Vanessa virginiensis	Butterfly, American lady	100262
Wallengrenia egeremet	Butterfly, northern broken dash	100173
Wallengrenia otho	Butterfly, southern broken dash	100172
Xylophanes teresa	Moth, Tersa sphinx	100319
Zeuzera pyrina	Moth, leopard	100078

MARINE MAMMALS

Balaenoptera acutorostrada	Dolphin spp	122001
Balaenoptera borealis	Whale, Minke	120005
Balaenoptera edeni	Whale, sei	120003
Balaenoptera musculus	Whale, Bryde's	120002
Balaenoptera physalus	Whale, blue	120001
Delphinus delphis	Whale, fin	120004
Eubalaena glacialis	Dolphin, saddleback	120016
Globicephala macrorhynchus	Whale, northern right	120007
Globicephala melaena	Whale, short-finned pilot	120017
Grampus griseus	Whale, Atlantic pilot	120018
Kogia breviceps	Grampus	120019
Kogia simus	Whale, pygmy sperm	120013
Lagenorhynchus acutus	Whale, dwarf sperm	120014
Megaptera novaeangliae	White-sided dolphin	120020
Mesoplodon densirostris	Whale, humpback	120006
Mesoplodon europaeus	Whale, dense-beaked	120008
Mesoplodon mirus	Whale, Antillean beaked	120009
Orcinus orca	Whale, True's beaked	120010
Phoca vitulina vitulina	Whale, killer	120021
Phocoena phocoena	Whale, harbor	120029
Physeter catodon	Harbor porpoise	120027
Pseudorca crassidens	Whale, sperm	120012
Stenella caeruleoalba	Whale, false killer	120022
Stenella longirostris	Dolphin, striped	120023
Stenella plagiodon	Dolphin, spinner	120024
Steno bredanensis	Dolphin, spotted	120025
Trichechus manatus	Dolphin, rough-toothed	120015
Tursiops truncatus	Manatee, Florida	120030
Zalophus californianus	Atlantic bottlenose	120026
Ziphius cavirostris	Lion, California sea	120028
	Whale, goose-beaked	120011

Species by Common Name

* Geographic Subspecies may occur in Virginia

<u>Common Name</u>	<u>Scientific Name</u>	<u>Species Code</u>
FISH		
Alewife	<i>Alosa pseudoharengus</i>	010038
Anchovy, bay	<i>Anchoa mitchilli</i>	010049
Anchovy, striped	<i>Anchoa hepsetus</i>	010048
Bass, Roanoke	<i>Ambloplites cavifrons</i>	010174
Bass, largemouth	<i>Micropterus salmoides</i>	010188
Bass, rock	<i>Ambloplites rupestris</i>	010175
Bass, smallmouth	<i>Micropterus dolomieu</i>	010186
Bass, spotted	<i>Micropterus punctulatus</i>	010187
Bass, striped	<i>Morone saxatilis</i>	010168
Bass, white	<i>Morone chrysops</i>	010167
Bluegill	<i>Lepomis macrochirus</i>	010183
Bowfin	<i>Amia calva</i>	010034
Bullhead, black	<i>Ameiurus melas</i>	010121
Bullhead, brown	<i>Ameiurus nebulosus</i>	010123
Bullhead, flat	<i>Ameiurus platycephalus</i>	010124
Bullhead, snail	<i>Ameiurus brunneus</i>	010389
Bullhead, yellow	<i>Ameiurus natalis</i>	010122
Carp, common	<i>Cyprinus carpio</i>	010062
Catfish, blue	<i>Ictalurus furcatus</i>	010390
Catfish, channel	<i>Ictalurus punctatus</i>	010125
Catfish, flathead	<i>Pylodictis olivaris</i>	010130
Catfish, white	<i>Ameiurus catus</i>	010120
Chub, bigeye	<i>Notropis amblops</i>	010065
Chub, bigmouth	<i>Nocomis platyrhynchus</i>	010372
Chub, blotched	<i>Erimystax insignis</i>	010370
Chub, bluehead	<i>Nocomis leptocephalus</i>	010066
Chub, bull	<i>Nocomis raneyi</i>	010373
Chub, creek	<i>Semotilus atromaculatus</i>	010103
Chub, highback	<i>Notropis hypsinotus</i>	010348
Chub, river	<i>Nocomis micropogon</i>	010067
Chub, slender	<i>Erimystax cahni</i>	010111
Chub, speckled	<i>Macrhybopsis aestivalis</i>	010368
Chub, spotfin	<i>Cyprinella monacha</i>	010330
Chub, streamline	<i>Erimystax dissimilis</i>	010369
Chub, thicklip	<i>Cyprinella labrosa</i>	010349
Chubsucker, creek	<i>Erimyzon oblongus</i>	010106
Chubsucker, lake	<i>Erimyzon suetta</i>	010107
Crappie, black	<i>Pomoxis nigromaculatus</i>	010190
Crappie, white	<i>Pomoxis annularis</i>	010189
Croaker, Atlantic	<i>Micropogonias undulatus</i>	010250
Dace, Tennessee	<i>Phoxinus tennesseensis</i>	010430
Dace, blacknose	<i>Rhinichthys atratulus</i>	010101
Dace, longnose	<i>Rhinichthys cataractae</i>	010102
Dace, mountain redbelly	<i>Phoxinus oreas</i>	010060
Dace, pearl	<i>Margariscus margarita</i>	010345
Dace, rosyside	<i>Clinostomus funduloides</i>	010366
Dace, southern redbelly	<i>Phoxinus erythrogaster</i>	010384
Darter, Appalachia	<i>Percina gymnocephala</i>	010363
Darter, Carolina	<i>Etheostoma collis</i>	010353

Darter, Kanawha	Etheostoma kanawhae	010195
Darter, Piedmont	Percina crassa	010209
Darter, Roanoke	Percina roanoka	010061
Darter, Snubnose	Etheostoma simoterum	010202
Darter, Swannanoa	Etheostoma swannanoa	010401
Darter, Tippecanoe	Etheostoma tippecanoe	010332
Darter, ashy	Etheostoma cinereum	010343
Darter, banded	Etheostoma zonale	010205
Darter, blackside	Percina maculata	010210
Darter, bluebreast	Etheostoma camurum	010337
Darter, blueside	Etheostoma jessiae	010339
Darter, candy	Etheostoma osburni	010199
Darter, channel	Percina copelandi	010208
Darter, dusky	Percina sciera	010403
Darter, duskytail	Etheostoma percnurum	010333
Darter, fantail	Etheostoma flabellare	010193
Darter, gilt	Percina evides	010402
Darter, glassy	Etheostoma vitreum	010204
Darter, greenfin	Etheostoma chlorobranchium	010352
Darter, greenside	Etheostoma blennioides	010191
Darter, johnny	Etheostoma nigrum	010198
Darter, longfin	Etheostoma longimanum	010196
Darter, longhead	Percina macrocephala	010342
Darter, olive	Percina squamata	010404
Darter, orangethroat	Etheostoma spectabile	010415
Darter, rainbow	Etheostoma caeruleum	010192
Darter, redline	Etheostoma rufilineatum	010201
Darter, riverweed	Etheostoma podostemone	010200
Darter, sawcheek	Etheostoma serrifer	010398
Darter, sharthead	Etheostoma acuticeps	010344
Darter, sharpnose	Percina oxyrhynchus	010212
Darter, shield	Percina peltata	010213
Darter, speckled	Etheostoma stigmaeum	010414
Darter, stripeback	Percina notogramma	010211
Darter, stripetail	Etheostoma kennicotti	010413
Darter, swamp	Etheostoma fusiforme	010194
Darter, tangerine	Percina aurantiaca	010340
Darter, tessellated	Etheostoma olmstedi	010397
Darter, variegate	Etheostoma variatum	010203
Darter, western sand	Ammocrypta clara	010362
Darter, wounded	Etheostoma vulneratum	010197
Drum, banded	Larimus fasciatus	010242
Drum, freshwater	Aplodinotus grunniens	010405
Eel, American	Anguilla rostrata	010131
Fallfish	Semotilus corporalis	010104
Flier	Centrarchus macropterus	010176
Gar, longnose	Lepisosteus osseus	010033
Goldfish	Carassius auratus	010059
Herring, Atlantic	Clupea harengus	010044
Herring, Atlantic thread	Opisthonema oglinum	010047
Herring, blueback	Alosa aestivalis	010045
Herring, round	Etrumeus teres	010046
Hogchoker	Trinectes maculatus	010312
Jumprock, bigeye	Moxostoma ariommum	010110
Jumprock, black	Moxostoma cervinum	010112
Killifish, banded	Fundulus diaphanus	010143
Killifish, marsh	Fundulus confluentus	010142

Killifish, rainwater	<i>Lucania parva</i>	010147
Killifish, speckled	<i>Fundulus rathbuni</i>	010394
Killifish, spotfin	<i>Fundulus luciae</i>	010145
Killifish, striped	<i>Fundulus majalis</i>	010146
Kingfish, southern	<i>Menticirrhus americanus</i>	010247
Lamprey, American brook	<i>Lampetra appendix</i>	010359
Lamprey, Ohio	<i>Ichthyomyzon bdellium</i>	010356
Lamprey, least brook	<i>Lampetra aepyptera</i>	010001
Lamprey, mountain brook	<i>Ichthyomyzon greeleyi</i>	010357
Lamprey, sea	<i>Petromyzon marinus</i>	010002
Logperch	<i>Percina caprodes</i>	010207
Logperch, Roanoke	<i>Percina rex</i>	010214
Logperch, blotchside	<i>Percina burtoni</i>	010341
Madtom, margined	<i>Noturus insignis</i>	010129
Madtom, mountain	<i>Noturus eleutherus</i>	010391
Madtom, orangefin	<i>Noturus giberti</i>	010127
Madtom, spotted	<i>Noturus insignis</i> ssp A	010432
Madtom, tadpole	<i>Noturus gyrinus</i>	010128
Madtom, yellowfin	<i>Noturus flavipinnis</i>	010331
Menhaden, Atlantic	<i>Brevoortia tyrannus</i>	010043
Minnow, Kanawha	<i>Phenacobius teretulus</i>	010097
Minnow, bluntnose	<i>Pimephales notatus</i>	010099
Minnow, bullhead	<i>Pimephales vigilax</i>	010386
Minnow, cutlips	<i>Exoglossum maxillingua</i>	010063
Minnow, eastern silvery	<i>Hybognathus regius</i>	010408
Minnow, fathead	<i>Pimephales promelas</i>	010100
Minnow, fatlips	<i>Phenacobius crassilabrum</i>	010351
Minnow, sheepshead	<i>Cyprinodon variegatus</i>	010140
Minnow, silverjaw	<i>Notropis buccatus</i>	010367
Minnow, stargazing	<i>Phenacobius uranops</i>	010098
Minnow, suckermouth	<i>Phenacobius mirabilis</i>	010410
Minnow, tonguetied	<i>Exoglossum laurae</i>	010096
Mosquitofish, eastern	<i>Gambusia holbrooki</i>	010148
Mudminnow, eastern	<i>Umbra pygmaea</i>	010054
Mullet, striped	<i>Mugil cephalus</i>	010299
Mummichog	<i>Fundulus heteroclitus</i>	010144
Muskellunge	<i>Esox masquinongy</i>	010365
Paddlefish	<i>Polyodon spathula</i>	010334
Perch, pirate	<i>Aphredoderus sayanus sayanus</i>	010163
Perch, silver	<i>Bairdiella chrysoura</i>	010241
Perch, white	<i>Morone americana</i>	010166
Perch, yellow	<i>Perca flavescens</i>	010206
Pickerel, chain	<i>Esox niger</i>	010056
Pickerel, redfin	<i>Esox americanus americanus</i>	010055
Pike, northern	<i>Esox lucius</i>	010364
Pumpkinseed	<i>Lepomis gibbosus</i>	010182
Quillback	<i>Carpoides cyprinus</i>	010374
Redhorse, black	<i>Moxostoma duquesnei</i>	010388
Redhorse, golden	<i>Moxostoma erythrurum</i>	010114
Redhorse, river	<i>Moxostoma carinatum</i>	010336
Redhorse, shorthead	<i>Moxostoma macrolepidotum</i>	010116
Redhorse, silver	<i>Moxostoma anisurum</i>	010387
Redhorse, smallfin	<i>Moxostoma robustum</i>	010350
Redhorse, v-lip	<i>Moxostoma pappillosum</i>	010113
Sauger	<i>Stizostedion canadense</i>	010215
Sculpin, Bluestone	<i>Cottus (undescribed)</i>	010429
Sculpin, Carolinæ ssp.	<i>Cottus carolinæ</i> ssp.	010418

	Sculpin, Potomac	Cottus girardi	010407
*	Sculpin, banded	Cottus carolinae	010284
	Sculpin, black	Cottus baileyi	010406
	Sculpin, mottled	Cottus bairdi	010283
	Sculpin, slimy	Cottus cognatus	010285
	Seatrout, silver	Cynoscion nothus	010244
	Seatrout, spotted	Cynoscion nebulosus	010243
	Shad, American	Alosa sapidissima	010040
	Shad, gizzard	Dorosoma cepedianum	010041
	Shad, hickory	Alosa mediocris	010039
	Shad, threadfin	Dorosoma petenense	010042
	Shiner, New River	Notropis scabriceps	010089
	Shiner, Tennessee	Notropis leuciodus	010083
	Shiner, bridle	Notropis bifrenatus	010077
	Shiner, comely	Notropis amoenus	010072
	Shiner, common	Luxilus cornutus	010080
	Shiner, crescent	Luxilus cerasinus	010078
	Shiner, emerald	Notropis atherinoides	010076
	Shiner, fieryblack	Cyprinella pyrrhomelas	010380
	Shiner, golden	Notemigonus crysoleucas	010068
	Shiner, highfin	Notropis altipinnis	010071
	Shiner, ironcolor	Notropis chalybaeus	010375
	Shiner, mimic	Notropis volucellus	010094
	Shiner, mirror	Notropis spectrunculus	010090
	Shiner, mountain	Lythrurus lirus	010378
	Shiner, popeye	Notropis ariommus	010075
	Shiner, redlip	Notropis chiliticus	010376
	Shiner, rosefin	Lythrurus ardens	010074
	Shiner, rosyface	Notropis rubellus	010087
	Shiner, roughhead	Notropis semperasper	010346
	Shiner, saffron	Notropis rubricroceus	010088
	Shiner, sand	Notropis stramineus	010092
	Shiner, sandbar	Notropis scepticus	010381
	Shiner, satinfin	Cyprinella analostamas	010073
	Shiner, sawfin	Notropis spp. A	010431
	Shiner, silver	Notropis photogenis	010085
	Shiner, spotfin	Cyprinella spilopteras	010091
	Shiner, spottail	Notropis hudsonius	010082
	Shiner, steelcolor	Cyprinella whipplei	010335
	Shiner, striped	Luxilus chryscephalus	010377
	Shiner, swallowtail	Notropis procne	010086
	Shiner, telescope	Notropis telescopus	010383
	Shiner, warpaint	Luxilus coccogenis	010079
	Shiner, white	Luxilus albeolus	010069
	Shiner, whitefin	Cyprinella nivea	010379
	Shiner, whitemouth	Notropis alborus	010070
	Shiner, whitetail	Cyprinella galactura	010081
	Silverside, Atlantic	Menidia menidia	010303
	Silverside, brook	Labidesthes sicculus	010338
	Silverside, inland	Menidia beryllina	010302
	Silverside, rough	Membras martinica	010301
	Spot	Leiostomus xanthurus	010246
	Stickleback, fourspine	Apeltes quadratus	010156
	Stickleback, threespine	Gasterosteus aculeatus	010157
	Stonecat	Noturus flavus	010126
	Stoneroller, central	Campostoma anomalum	010058
	Studfish, northern	Fundulus catenatus	010141

Sturgeon, Atlantic	<i>Acipenser oxyrinchus</i>	010032
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	010031
Sucker, Roanoke hog	<i>Hypentelium roanokense</i>	010109
Sucker, harelip	<i>Lagochila lacera</i>	010354
Sucker, northern hog	<i>Hypentelium nigricans</i>	010108
Sucker, rustyside	<i>Moxostoma hamiltoni</i>	010115
Sucker, torrent	<i>Moxostoma rhothoecum</i>	010118
Sucker, white	<i>Catostomus commersoni</i>	010105
Sunfish, banded	<i>Enneacanthus obesus</i>	010179
Sunfish, banded pygmy	<i>Elassoma zonatum</i>	010412
Sunfish, blackbanded	<i>Enneacanthus chaetodon</i>	010347
Sunfish, bluespotted	<i>Enneacanthus gloriosus</i>	010178
Sunfish, dollar	<i>Lepomis marginatus</i>	010426
Sunfish, green	<i>Lepomis cyanellus</i>	010181
Sunfish, longear	<i>Lepomis megalotis</i>	010184
Sunfish, mud	<i>Acantharchus pomotis</i>	010173
Sunfish, redbreast	<i>Lepomis auritus</i>	010180
Sunfish, redear	<i>Lepomis microlophus</i>	010185
Swampfish	<i>Chologaster cornuta</i>	010149
Topminnow, lined	<i>Fundulus lineolatus</i>	010393
Trout, brook	<i>Salvelinus fontinalis</i>	010052
Trout, brown	<i>Salmo trutta</i>	010051
Trout, rainbow	<i>Oncorhynchus mykiss</i>	010050
Trout-perch	<i>Percopsis omiscomaycus</i>	010355
Walleye	<i>Stizostedion vitreum vitreum</i>	010216
Warmouth	<i>Lepomis gulosus</i>	010177
Weakfish	<i>Cynoscion regalis</i>	010245

AMPHIBIANS

Amphiuma, two-toed	<i>Amphiuma means</i>	020001
Bullfrog	<i>Rana catesbeiana</i>	020004
Frog, Brimley's chorus	<i>Pseudacris brimleyi</i>	020003
Frog, New Jersey chorus	<i>Pseudacris kalmi</i>	020072
Frog, carpenter	<i>Rana virgatipes</i>	020005
Frog, coastal plain cricket	<i>Acris gryllus gryllus</i>	020015
Frog, eastern cricket	<i>Acris crepitans crepitans</i>	020012
Frog, little grass	<i>Pseudacris ocularis</i>	020010
Frog, mountain chorus	<i>Pseudacris brachyphona</i>	020011
Frog, pickerel	<i>Rana palustris</i>	020013
Frog, southeastern chorus	<i>Pseudacris feriarum</i>	020018
Frog, southern green	<i>Rana clamitans melanota</i>	020008
Frog, southern leopard	<i>Rana sphenocephala</i>	020016
Frog, wood	<i>Rana sylvatica</i>	020019
Hellbender, eastern	<i>Cryptobranchus alleganiensis alleganiensis</i>	020020
Mudpuppy, common	<i>Necturus maculosus</i>	020021
Newt, red-spotted	<i>Notophthalmus viridescens viridescens</i>	020065
Peeper, northern spring	<i>Pseudacris crucifer crucifer</i>	020071
Salamander, Allegheny mountain dusk	<i>Desmognathus ochrophaeus</i>	020036
Salamander, Atlantic Coast Slimy	<i>Plethodon chlorobryonis</i>	020084
Salamander, Black Mountain	<i>Desmognathus welteri</i>	020028
Salamander, Blue Ridge dusky	<i>Desmognathus orestes</i>	020085
Salamander, Blue Ridge red	<i>Pseudotriton ruber nitidus</i>	020066
Salamander, Blue Ridge spring	<i>Gyrinophilus porphyriticus danielsi</i>	020068
Salamander, Blue Ridge two-lined	<i>Eurycea wilderae</i>	020056
Salamander, Cow Knob	<i>Plethodon punctatus</i>	020027

Salamander, Cumberland Plateau	Plethodon kentucki	020083
Salamander, Jefferson	Ambystoma jeffersonianum	020031
Salamander, Jordan's	Plethodon jordani	020032
Salamander, Kentucky spring	Gyrinophilus porphyriticus duryi	020076
Salamander, Mabee's	Ambystoma mabeei	020044
Salamander, Peaks of Otter	Plethodon hubrichti	020039
Salamander, Shenandoah	Plethodon shenandoah	020045
Salamander, Wehrle's	Plethodon wehrlei	020055
Salamander, Weller's	Plethodon welleri	020078
Salamander, Yonahlossee	Plethodon yonahlossee	020057
Salamander, black-bellied	Desmognathus quadramaculatus	020025
Salamander, cave	Eurycea lucifuga	020026
Salamander, eastern mud	Pseudotriton montanus montanus	020069
Salamander, eastern tiger	Ambystoma tigrinum tigrinum	020052
Salamander, four-toed	Hemidactylum scutatum	020029
Salamander, green	Aneides aeneus	020030
Salamander, longtail	Eurycea longicauda longicauda	020033
Salamander, many-lined	Stereochilus marginatus	020034
Salamander, marbled	Ambystoma opacum	020035
Salamander, mole	Ambystoma talpoideum	020023
* Salamander, mud	Pseudotriton montanus	021005
Salamander, northern dusky	Desmognathus fuscus	020038
Salamander, northern red	Pseudotriton ruber ruber	020070
Salamander, northern red-backed	Plethodon cinereus	020043
Salamander, northern slimy	Plethodon glutinosus	020047
Salamander, northern spring	Gyrinophilus porphyriticus porphyriticus	020077
Salamander, pygmy	Desmognathus wrighti	020040
Salamander, ravine	Plethodon richmondi	020041
* Salamander, red	Pseudotriton ruber	021006
Salamander, seal	Desmognathus monticola	020075
Salamander, shovel-nosed	Desmognathus marmoratus	020046
Salamander, southern dusky	Desmognathus auriculatus	020048
Salamander, southern zigzag	Plethodon ventralis	020081
Salamander, spotted	Ambystoma maculatum	020049
* Salamander, spring	Gyrinophilus porphyriticus	021004
Salamander, three-lined	Eurycea guttolineata	020051
* Salamander, two-lined	Eurycea bislineata/Eurycea cirrigera	021002
Salamander, valley and ridge	Plethodon hoffmani	020054
Salamander, white-spotted slimy	Plethodon cylindraceus	020080
Siren, greater	Siren lacertina	020058
Siren, lesser	Siren intermedia	020082
Spadefoot, eastern	Scaphiopus holbrookii	020061
Toad, American	Bufo americanus	020059
Toad, Fowler's	Bufo fowleri	020062
Toad, eastern narrow-mouthed	Gastrophryne carolinensis	020060
Toad, oak	Bufo quercicus	020063
Toad, southern	Bufo terrestris	020064
Treefrog, Cope's gray	Hyla chrysoscelis	020006
Treefrog, barking	Hyla gratiosa	020002
Treefrog, gray	Hyla versicolor	020007
Treefrog, green	Hyla cinerea	020009
Treefrog, pine woods	Hyla femoralis	020014
Treefrog, squirrel	Hyla squirrels	020017
Waterdog, dwarf	Necturus punctatus punctatus	020022

REPTILES

Anole, green	Anolis carolinensis	030001
Cooter, Coastal Plain	Pseudemys concinna floridana	030055
Cooter, eastern river	Pseudemys concinna concinna	030059
Cooter, northern red-bellied	Pseudemys rubriventris rubriventris	030057
Copperhead, northern	Agkistrodon contortrix mokasen	030016
Cottonmouth, eastern	Agkistrodon piscivorus piscivorus	030015
* Kingsnake, black	Lampropeltis getula nigra	030030
* Kingsnake, eastern	Lampropeltis getula getula	030026
Kingsnake, mole	Lampropeltis calligaster rhombomaculata	030027
Kingsnake, scarlet	Lampropeltis triangulum elapsoides	030031
Lizard, eastern glass	Ophisaurus ventralis	030010
Lizard, eastern slender glass	Ophisaurus attenuatus longicaudus	030009
Lizard, northern fence	Sceloporus undulatus hyacinthinus	030002
Racer, northern black	Coluber constrictor constrictor	030018
Racerunner, six-lined	Cnemidophorus sexlineatus sexlineatus	030008
Rattlesnake, canebrake	Crotalus horridus atricaudatus	030013
Rattlesnake, timber	Crotalus horridus horridus	030012
Skink, broadhead	Eumeces laticeps	030006
Skink, five-lined	Eumeces fasciatus	030004
Skink, little brown	Scincella lateralis	030007
Skink, northern coal	Eumeces anthracinus anthracinus	030003
Skink, southeastern five-lined	Eumeces inexpectatus	030005
* Slider, Cumberland	Trachemys scripta troostii	030056
* Slider, red-eared	Trachemys scripta elegans	030077
* Slider, yellowbellied	Trachemys scripta scripta	030058
Snake, black rat	Elaphe obsoleta obsoleta	030023
Snake, brown water	Nerodia taxispilota	030037
Snake, corn	Elaphe guttata	030022
Snake, eastern garter	Thamnophis sirtalis sirtalis	030044
Snake, eastern hognose	Heterodon platirhinos	030024
* Snake, eastern milk/ scarlet king-	Lampropeltis triangulum	031003
Snake, eastern mud	Farancia abacura abacura	030025
Snake, eastern ribbon	Thamnophis sauritus sauritus	030045
Snake, eastern smooth earth	Virginia valeriae valeriae	030049
Snake, eastern smooth green	Liochlorophis vernalis	030039
Snake, eastern worm	Carphophis amoenus amoenus	030019
Snake, glossy crayfish	Regina rigida rigida	030035
Snake, mountain earth	Virginia valeriae pulchra	030048
Snake, northern brown	Storeria dekayi dekayi	030041
Snake, northern pine	Pituophis melanoleucus melanoleucus	030040
Snake, northern red-bellied	Storeria occipitomaculata occipitomaculata	030042
Snake, northern ringneck	Diadophis punctatus edwardsii	030020
Snake, northern scarlet	Cemophora coccinea copei	030017
Snake, northern water	Nerodia sipedon sipedon	030034
Snake, queen	Regina septemvittata	030033
Snake, rainbow	Farancia erytrogramma erytrogramma	030046
Snake, red-bellied water	Nerodia erythrogaster erythrogaster	030036
* Snake, ringneck	Diadophis punctatus	031002
Snake, rough earth	Virginia striatula	030047
Snake, rough green	Opheodrys aestivus aestivus	030038
Snake, southeastern crowned	Tantilla coronata	030043
Snake, southern ringneck	Diadophis punctatus punctatus	030021
Terrapin, northern diamond-backed	Malaclemys terrapin terrapin	030067
Turtle, Atlantic hawksbill sea	Eretmochelys imbricata imbricata	030073
Turtle, Kemp's Ridley sea	Lepidochelys kempii	030074
Turtle, Ouachita map	Graptemys ouchitensis ouchitensis	030066
Turtle, bog	Clemmys muhlenbergii	030061

Turtle, eastern box	Terrapene carolina carolina	030068
Turtle, eastern chicken	Deirochelys reticularia reticularia	030064
Turtle, eastern mud	Kinosternon subrubrum subrubrum	030051
Turtle, eastern musk (= stinkpot)	Sternotherus odoratus	030052
Turtle, eastern painted	Chrysemys picta picta	030060
Turtle, eastern snapping	Chelydra serpentina serpentina	030050
Turtle, eastern spiny softshell	Apalone spinifera spinifera	030069
Turtle, green	Chelonia mydas	030072
Turtle, leatherback sea	Dermochelys coriacea	030075
Turtle, loggerhead sea	Caretta caretta caretta	030071
Turtle, midland painted	Chrysemys picta marginata	030054
Turtle, northern map	Graptemys geographica	030065
* Turtle, painted	Chrysemys picta	031001
Turtle, spotted	Clemmys guttata	030063
Turtle, stripe-necked musk	Sternotherus minor peltifer	030053
Turtle, striped mud	Kinosternon baurii	030076
Turtle, wood	Clemmys insculpta	030062
Water Snake spp.		032001

BIRDS

Albatross, yellow-nosed	Thalassarche chlororhynchos	040404
Anhinga	Anhinga anhinga	040025
Ani, groove-billed	Crotophaga sulcirostris	040409
Avocet, American	Recurvirostra americana	040116
Bittern, American	Botaurus lentiginosus	040038
Bittern, least	Ixobrychus exilis exilis	040037
Blackbird, Brewer's	Euphagus cyanocephalus	040350
Blackbird, red-winged	Agelaius phoeniceus	040346
Blackbird, rusty	Euphagus carolinus	040349
Blackbird, yellow-headed	Xanthocephalus xanthocephalus	040345
Bluebird, eastern	Sialia sialis	040282
Bobolink	Dolichonyx oryzivorus	040343
Bobwhite, northern	Colinus virginianus	040100
Booby, brown	Sula leucogaster	040021
Brant	Branta bernicla brota	040046
Bufflehead	Bucephala albeola	040068
Bunting, Lazuli	Passerina amoena	040362
Bunting, indigo	Passerina cyanea	040361
Bunting, lark	Calamospiza melanocorys	040376
Bunting, painted	Passerina ciris ciris	040363
Bunting, snow	Plectrophenax nivalis nivalis	040401
Canvasback	Aythya valisineria	040064
Cardinal, northern	Cardinalis cardinalis	040357
Catbird, gray	Dumetella carolinensis	040272
Chat, yellow-breasted	Icteria virens virens	040337
Chickadee, Carolina	Poecile carolinensis	040258
Chickadee, black-capped	Poecile atricapillus	040257
Chickadee, boreal	Poecile hudsonicus	040259
Chuck-will's-widow	Caprimulgus carolinensis	040214
Coot, American	Fulica americana	040113
Cormorant, double-crested	Phalacrocorax auritus	040024
Cormorant, great	Phalacrocorax carbo	040023
Cowbird, brown-headed	Molothrus ater	040353
Crake, paint-billed	Neocrex erythrops	040414
Crane, sandhill	Grus canadensis	040103

Creeper, brown	<i>Certhia americana</i>	040264
Crossbill, red	<i>Loxia curvirostra</i>	040372
Crossbill, white-winged	<i>Loxia leucoptera</i>	040373
Crow, American	<i>Corvus brachyrhynchos</i>	040255
Crow, fish	<i>Corvus ossifragus</i>	040256
Cuckoo, black-billed	<i>Coccyzus erythrophthalmus</i>	040203
Cuckoo, yellow-billed	<i>Coccyzus americanus</i>	040202
Curlew, long-billed	<i>Numenius americanus</i>	040128
Dickcissel	<i>Spiza americana</i>	040364
Dove, common ground	<i>Columbina passerina</i>	040200
Dove, mourning	<i>Zenaida macroura carolinensis</i>	040198
Dove, rock	<i>Columba livia</i>	040197
Dovekie	<i>Alle alle</i>	040195
Dowitcher, long-billed	<i>Limnodromus scolopaceus</i>	040143
Dowitcher, short-billed	<i>Limnodromus griseus</i>	040142
Duck, American black	<i>Anas rubripes</i>	040052
Duck, Harlequin	<i>Histrionicus histrionicus</i>	040070
Duck, ring-necked	<i>Aythya collaris</i>	040063
Duck, ruddy	<i>Oxyura jamaicensis</i>	040076
Duck, wood	<i>Aix sponsa</i>	040061
Dunlin	<i>Calidris alpina hudsonia</i>	040154
Eagle, bald	<i>Haliaeetus leucocephalus leucocephalus</i>	040093
Eagle, golden	<i>Aquila chrysaetos</i>	040092
Egret, cattle	<i>Bubulcus ibis</i>	040030
Egret, great	<i>Ardea alba egretta</i>	040032
Egret, reddish	<i>Egretta rufescens rufescens</i>	040031
Egret, snowy	<i>Egretta thula</i>	040033
Eider, common	<i>Somateria mollissima</i>	040071
Eider, king	<i>Somateria spectabilis</i>	040072
* Falcon, peregrine	<i>Falco peregrinus</i>	041002
Finch, house	<i>Carpodacus mexicanus</i>	040367
Finch, purple	<i>Carpodacus purpureus</i>	040366
Flamingo, greater	<i>Phoenicopterus ruber</i>	040042
Flicker, northern	<i>Colaptes auratus</i>	040221
Flycatcher, Acadian	<i>Empidonax virescens</i>	040239
Flycatcher, alder	<i>Empidonax alnorum</i>	040241
Flycatcher, ash-throated	<i>Myiarchus cinerascens</i>	040235
Flycatcher, great crested	<i>Myiarchus crinitus</i>	040234
Flycatcher, least	<i>Empidonax minimus</i>	040242
Flycatcher, olive-sided	<i>Contopus cooperi</i>	040244
Flycatcher, scissor-tailed	<i>Tyrannus forficatus</i>	040233
Flycatcher, willow	<i>Empidonax traillii</i>	040240
Flycatcher, yellow-bellied	<i>Empidonax flaviventris</i>	040238
Frigatebird, magnificent	<i>Fregata magnificens</i>	040026
Fulmar, northern	<i>Fulmarus glacialis</i>	040009
Gadwall	<i>Anas strepera</i>	040053
Gallinule, purple	<i>Porphyrrula martinica</i>	040111
Gannet, northern	<i>Morus bassanus</i>	040022
Gnatcatcher, blue-gray	<i>Polioptila caerulea</i>	040284
Godwit, Hudsonian	<i>Limosa haemastica</i>	040124
Godwit, bar-tailed	<i>Limosa lapponica lapponica</i>	040125
Godwit, marbled	<i>Limosa fedoa</i>	040126
Golden-plover, American	<i>Pluvialis dominicus</i>	040122
Goldeneye, common	<i>Bucephala clangula americana</i>	040067
Goldfinch, American	<i>Carduelis tristis</i>	040371
Goose, Canada	<i>Branta canadensis</i>	040045
Goose, Ross'	<i>Chen rossii</i>	040416

Goose, barnacle	Branta leucopsis	040047
Goose, greater white-fronted	Anser albifrons flavirostris	040048
* Goose, snow	Chen caerulescens	041001
Goshawk, northern	Accipiter gentilis	040084
Grackle, boat-tailed	Quiscalus major	040351
Grackle, common	Quiscalus quiscula	040352
Grebe, eared	Podiceps nigricollis	040006
Grebe, horned	Podiceps auritus	040005
Grebe, pied-billed	Podilymbus podiceps	040008
Grebe, red-necked	Podiceps grisegena	040004
Grebe, western	Aechmophorus occidentalis	040007
Grosbeak, black-headed	Pheucticus melanocephalus	040359
Grosbeak, blue	Guiraca caerulea caerulea	040360
Grosbeak, evening	Coccothraustes vespertinus	040365
Grosbeak, pine	Pinicola enucleator	040368
Grosbeak, rose-breasted	Pheucticus ludovicianus	040358
Grouse, ruffed	Bonasa umbellus	040099
Gull, Bonaparte's	Larus philadelphia	040175
Gull, California	Larus californicus	040169
Gull, Franklin's	Larus pipixcan	040174
Gull, Iceland	Larus glaucopterus	040164
Gull, Sabine's	Xema sabini	040178
Gull, Thayer's	Larus thayeri	040168
Gull, black-headed	Larus ridibundus	040172
Gull, glaucous	Larus hyperboreus	040163
Gull, great black-backed	Larus marinus	040165
Gull, herring	Larus argentatus	040167
Gull, ivory	Pagophila eburnea	040408
Gull, laughing	Larus atricilla	040173
Gull, lesser black-backed	Larus fuscus	040166
Gull, little	Larus minutus	040176
Gull, mew	Larus canus	040171
Gull, ring-billed	Larus delawarensis	040170
Gyrfalcon	Falco rusticolus	040415
Harrier, northern	Circus cyaneus	040094
Hawk, Cooper's	Accipiter cooperii	040086
Hawk, Swainson's	Buteo swainsoni	040406
Hawk, broad-winged	Buteo platypterus	040089
Hawk, ferruginous	Buteo regalis	040091
Hawk, red-shouldered	Buteo lineatus lineatus	040088
Hawk, red-tailed	Buteo jamaicensis	040087
Hawk, rough-legged	Buteo lagopus johannis	040090
Hawk, sharp-shinned	Accipiter striatus velox	040085
Heron, great blue	Ardea herodias herodias	040027
Heron, green	Butorides virescens	040028
Heron, little blue	Egretta caerulea caerulea	040029
Heron, tricolored	Egretta tricolor	040034
Hummingbird, ruby-throated	Archilochus colubris	040218
Hummingbird, rufous	Selasphorus rufus	040219
Ibis, glossy	Plegadis falcinellus	040040
Ibis, white	Eudocimus albus	040041
Ibis, white-faced	Plegadis chihi	040405
Jaeger, long-tailed	Stercorarius longicaudus	040161
Jaeger, parasitic	Stercorarius parasiticus	040160
Jaeger, pomarine	Stercorarius pomarinus	040159
Jay, blue	Cyanocitta cristata	040252
Junco, dark-eyed	Junco hyemalis	040387

Kestrel, American	<i>Falco sparverius</i>	040098
Killdeer	<i>Charadrius vociferus</i>	040119
Kingbird, Cassin's	<i>Tyrannus vociferans</i>	040232
Kingbird, eastern	<i>Tyrannus tyrannus</i>	040229
Kingbird, gray	<i>Tyrannus dominicensis</i>	040230
Kingbird, western	<i>Tyrannus verticalis</i>	040231
Kingfisher, belted	<i>Ceryle alcyon</i>	040220
Kinglet, golden-crowned	<i>Regulus satrapa</i>	040285
Kinglet, ruby-crowned	<i>Regulus calendula</i>	040286
Kite, Mississippi	<i>Ictinia mississippiensis</i>	040083
Kite, swallow-tailed	<i>Elanoides forficatus</i>	040082
Kittiwake, black-legged	<i>Rissa tridactyla</i>	040177
Knot, red	<i>Calidris canutus rufus</i>	040144
Lark, horned	<i>Eremophila alpestris</i>	040245
Limpkin	<i>Aramus guarauna</i>	040104
Longspur, Lapland	<i>Calcarius lapponicus</i>	040399
Longspur, chestnut-collared	<i>Calcarius ornatus</i>	040400
Loon, Arctic	<i>Gavia arctica</i>	040002
Loon, common	<i>Gavia immer</i>	040001
Loon, red-throated	<i>Gavia stellata</i>	040003
Magpie, black-billed	<i>Pica pica</i>	040253
Mallard	<i>Anas platyrhynchos</i>	040051
Martin, purple	<i>Progne subis</i>	040251
Meadowlark, eastern	<i>Sturnella magna</i>	040344
Merganser, common	<i>Mergus merganser americanus</i>	040078
Merganser, hooded	<i>Lophodytes cucullatus</i>	040077
Merganser, red-breasted	<i>Mergus serrator serrator</i>	040079
Merlin	<i>Falco columbarius</i>	040097
Mockingbird, northern	<i>Mimus polyglottos</i>	040271
Moorhen, common	<i>Gallinula chloropus cachinnans</i>	040112
Murre, thick-billed	<i>Uria lomvia</i>	040194
Night-heron, black-crowned	<i>Nycticorax nycticorax hoactii</i>	040035
Night-heron, yellow-crowned	<i>Nyctanassa violacea violacea</i>	040036
Nighthawk, common	<i>Chordeiles minor</i>	040216
Nuthatch, brown-headed	<i>Sitta pusilla</i>	040263
Nuthatch, red-breasted	<i>Sitta canadensis</i>	040262
Nuthatch, white-breasted	<i>Sitta carolinensis</i>	040261
Oldsquaw	<i>Clangula hyemalis</i>	040069
Oriole, Baltimore	<i>Icterus galbula</i>	040348
Oriole, orchard	<i>Icterus spurius</i>	040347
Osprey	<i>Pandion haliaetus carolinensis</i>	040095
Ovenbird	<i>Seiurus aurocapillus</i>	040330
Owl, barn	<i>Tyto alba pratincola</i>	040204
Owl, barred	<i>Strix varia</i>	040209
Owl, boreal	<i>Aegolius funereus richardsoni</i>	040212
Owl, burrowing	<i>Athene cunicularia</i>	040208
Owl, great horned	<i>Bubo virginianus</i>	040206
Owl, long-eared	<i>Asio otus</i>	040210
Owl, northern saw-whet	<i>Aegolius acadicus</i>	040213
Owl, short-eared	<i>Asio flammeus</i>	040211
Owl, snowy	<i>Nyctea scandiaca</i>	040207
Oystercatcher, American	<i>Haematopus palliatus</i>	040114
Parakeet, Carolina	<i>Conuropsis carolinensis</i>	040201
Parula, northern	<i>Parula americana</i>	040312
Pelican, American white	<i>Pelecanus erythrorhynchos</i>	040019
Pelican, brown	<i>Pelecanus occidentalis carolinensis</i>	040020
Petrel, black-capped	<i>Pterodroma hasitata</i>	040015

Pewee, eastern wood	Contopus virens	040243
Phalarope, Wilson's	Phalaropus tricolor	040136
Phalarope, red	Phalaropus fulicaria	040138
Phalarope, red-necked	Phalaropus lobatus	040137
Pheasant, ring-necked	Phasianus colchicus	040101
Phoebe, Say's	Sayornis saya	040237
Phoebe, eastern	Sayornis phoebe	040236
Pigeon, passenger	Ectopistes migratorius	040199
Pintail, northern	Anas acuta acuta	040054
Pintail, white-cheeked	Anas bahamensis	040055
Pipit, American	Anthus rubescens	040287
Pipit, Sprague's	Anthus spragueii	040288
Plover, Wilson's	Charadrius wilsonia wilsonia	040118
Plover, black-bellied	Pluvialis squatarola	040123
Plover, mountain	Charadrius montanus	040121
Plover, piping	Charadrius melanotos melanotos	040120
Plover, semipalmated	Charadrius semipalmatus	040117
Puffin, Atlantic	Fratercula artica	040196
Rail, Virginia	Rallus limicola	040107
Rail, black	Laterallus jamaicensis	040110
Rail, clapper	Rallus longirostris crepitans	040106
Rail, king	Rallus elegans	040105
Rail, yellow	Coturnicops noveboracensis	040109
Raven, common	Corvus corax	040254
Razorbill	Alca torda	040193
Redhead	Aythya americana	040062
Redpoll, common	Carduelis flammea	040369
Redstart, American	Setophaga ruticilla	040341
Robin, American	Turdus migratorius	040275
Ruff	Philomachus pugnax	040158
Sanderling	Calidris alba	040145
Sandpiper, Baird's	Calidris bairdii	040151
Sandpiper, buff-breasted	Tryngites subruficollis	040157
Sandpiper, curlew	Calidris ferruginea	040155
Sandpiper, least	Calidris minutilla	040149
Sandpiper, pectoral	Calidris melanotos	040152
Sandpiper, purple	Calidris maritima	040153
Sandpiper, semipalmated	Calidris pusilla	040146
Sandpiper, sharp-tailed	Calidris acuminata	040413
Sandpiper, solitary	Tringa solitaria	040132
Sandpiper, spotted	Actitis macularia	040134
Sandpiper, stint	Calidris himantopus	040156
Sandpiper, upland	Bartramia longicauda	040129
Sandpiper, western	Calidris mauri	040147
Sandpiper, white-rumped	Calidris fuscicollis	040150
Sapsucker, yellow-bellied	Sphyrapicus varius	040225
Scaup, greater	Aythya marila	040065
Scaup, lesser	Aythya affinis	040066
Scoter, black	Melanitta nigra americana	040075
Scoter, surf	Melanitta perspicillata	040074
Scoter, white-winged	Melanitta fusca deglandi	040073
Screech-owl, eastern	Otus asio	040205
Shearwater, Audubon's	Puffinus lherminieri lherminieri	040014
Shearwater, Cory's	Calonectris diomedea borealis	040010
Shearwater, greater	Puffinus gravis	040011
Shearwater, manx	Puffinus puffinus puffinus	040013
Shearwater, sooty	Puffinus griseus	040012

	Shoveler, northern	Anas clypeata	040060
*	Shrike, loggerhead	Lanius ludovicianus	041003
	Shrike, northern	Lanius excubitor	040293
	Siskin, pine	Carduelis pinus	040370
	Skimmer, black	Rynchops niger	040192
	Skua, great	Catharacta skua	040162
	Snipe, common	Gallinago gallinago	040141
	Sora	Porzana carolina	040108
	Sparrow, American tree	Spizella arborea	040388
	Sparrow, Bachman's	Aimophila aestivalis	040385
	Sparrow, Harris'	Zonotrichia querula	040392
	Sparrow, Henslow's	Ammodramus henslowii susurrans	040379
	Sparrow, Le Conte's	Ammodramus leconteii	040380
	Sparrow, Lincoln's	Melospiza lincolni	040396
	Sparrow, Nelson's sharp-tailed	Ammodramus nelsoni	040418
	Sparrow, black-throated	Amphispiza bilineata	040386
	Sparrow, chipping	Spizella passerina	040389
	Sparrow, clay-colored	Spizella pallida	040390
	Sparrow, field	Spizella pusilla	040391
	Sparrow, fox	Passerella iliaca	040395
	Sparrow, grasshopper	Ammodramus savannarum pratensis	040378
	Sparrow, house	Passer domesticus	040342
	Sparrow, lark	Chondestes grammacus	040384
	Sparrow, saltmarsh sharp-tailed	Ammodramus caudacutus diversus	040381
	Sparrow, savannah	Passerculus sandwichensis	040377
	Sparrow, seaside	Ammodramus maritimus	040382
	Sparrow, song	Melospiza melodia	040398
	Sparrow, swamp	Melospiza georgiana	040397
	Sparrow, vesper	Pooecetes gramineus	040383
	Sparrow, white-crowned	Zonotrichia leucophrys	040393
	Sparrow, white-throated	Zonotrichia albicollis	040394
	Starling, European	Sturnus vulgaris	040294
	Stilt, black-necked	Himantopus mexicanus	040115
	Stint, Temminck's	Calidris temminckii	040148
	Stork, wood	Mycteria americana	040039
	Storm-petrel, Leach's	Oceanodroma leucorhoa	040016
	Storm-petrel, Wilson's	Oceanites oceanicus	040017
	Swallow, bank	Riparia riparia	040247
	Swallow, barn	Hirundo rustica	040249
	Swallow, cliff	Petrochelidon pyrrhonota pyrrhonota	040250
	Swallow, northern rough-winged	Stelgidopteryx serripennis	040248
	Swallow, tree	Tachycineta bicolor	040246
	Swan, mute	Cygnus olor	040043
	Swan, tundra	Cygnus columbianus columbianus	040044
	Swift, chimney	Chaetura pelagica	040217
	Tanager, scarlet	Piranga olivacea	040355
	Tanager, summer	Piranga rubra	040356
	Tanager, western	Piranga ludoviciana	040354
	Teal, blue-winged	Anas discors orphna	040057
	Teal, green-winged	Anas crecca carolinensis	040056
	Tern, Arctic	Sterna paradisaea	040182
	Tern, Caspian	Sterna caspia	040189
	Tern, Forster's	Sterna forsteri	040180
	Tern, black	Chlidonias niger	040190
	Tern, bridled	Sterna anaethetus	040185
	Tern, common	Sterna hirundo	040181
	Tern, elegant	Sterna elegans	040412

Tern, gull-billed	<i>Sterna nilotica aranea</i>	040179
Tern, least	<i>Sterna antillarum</i>	040186
Tern, roseate	<i>Sterna dougallii</i>	040183
Tern, royal	<i>Sterna maxima maximus</i>	040187
Tern, sandwich	<i>Sterna sandvicensis acuflavidus</i>	040188
Tern, sooty	<i>Sterna fuscata</i>	040184
Tern, white-winged	<i>Chlidonias leucopterus</i>	040191
Thrasher, brown	<i>Toxostoma rufum</i>	040273
Thrasher, sage	<i>Oreoscoptes montanus</i>	040274
Thrush, Bicknell's	<i>Catharus bicknelli</i>	040417
Thrush, Swainson's	<i>Catharus ustulatus</i>	040279
Thrush, gray-cheeked	<i>Catharus minimus</i>	040280
Thrush, hermit	<i>Catharus guttatus</i>	040278
Thrush, varied	<i>Ixoreus naevius</i>	040276
Thrush, wood	<i>Hylocichla mustelina</i>	040277
Titmouse, tufted	<i>Baeolophus bicolor</i>	040260
Towhee, eastern	<i>Pipilo erythrrophthalmus</i>	040375
Towhee, green-tailed	<i>Pipilo chlorurus</i>	040374
Tropicbird, white-tailed	<i>Phaethon lepturus</i>	040018
Turkey, wild	<i>Meleagris gallopavo silvestris</i>	040102
Turnstone, ruddy	<i>Arenaria interpres morinella</i>	040135
Veery	<i>Catharus fuscescens</i>	040281
Vireo, Bell's	<i>Vireo bellii</i>	040296
Vireo, Philadelphia	<i>Vireo philadelphicus</i>	040300
Vireo, blue-headed	<i>Vireo solitarius</i>	040298
Vireo, red-eyed	<i>Vireo olivaceus</i>	040299
Vireo, warbling	<i>Vireo gilvus gilvus</i>	040301
Vireo, white-eyed	<i>Vireo griseus</i>	040295
Vireo, yellow-throated	<i>Vireo flavifrons</i>	040297
Vulture, black	<i>Coragyps atratus</i>	040081
Vulture, turkey	<i>Cathartes aura</i>	040080
Warbler, Bachman's	<i>Vermivora bachmanii</i>	040308
Warbler, Canada	<i>Wilsonia canadensis</i>	040340
Warbler, Cape May	<i>Dendroica tigrina</i>	040315
Warbler, Connecticut	<i>Oporornis agilis</i>	040334
Warbler, Kentucky	<i>Oporornis formosus</i>	040333
Warbler, Kirtland's	<i>Dendroica kirtlandii</i>	040327
Warbler, Nashville	<i>Vermivora ruficapilla</i>	040311
Warbler, Swainson's	<i>Limnothlypis swainsonii</i>	040304
Warbler, Tennessee	<i>Vermivora peregrina</i>	040309
Warbler, Wilson's	<i>Wilsonia pusilla</i>	040339
Warbler, bay-breasted	<i>Dendroica castanea</i>	040324
Warbler, black-and-white	<i>Mniotilla varia</i>	040302
Warbler, black-throated blue	<i>Dendroica caerulescens</i>	040316
Warbler, black-throated gray	<i>Dendroica nigrescens</i>	040318
Warbler, black-throated green	<i>Dendroica virens waynei</i>	040319
Warbler, blackburnian	<i>Dendroica fusca</i>	040321
Warbler, blackpoll	<i>Dendroica striata</i>	040325
Warbler, blue-winged	<i>Vermivora pinus</i>	040307
Warbler, cerulean	<i>Dendroica cerulea</i>	040320
Warbler, chestnut-sided	<i>Dendroica pensylvanica</i>	040323
Warbler, golden-winged	<i>Vermivora chrysoptera</i>	040306
Warbler, hooded	<i>Wilsonia citrina</i>	040338
Warbler, magnolia	<i>Dendroica magnolia</i>	040314
Warbler, mourning	<i>Oporornis philadelphia</i>	040335
Warbler, orange-crowned	<i>Vermivora celata</i>	040310
Warbler, palm	<i>Dendroica palmarum</i>	040329

Warbler, pine	Dendroica pinus	040326
Warbler, prairie	Dendroica discolor	040328
Warbler, prothonotary	Protonotaria citrea	040303
Warbler, worm-eating	Helmitheros vermivorus	040305
Warbler, yellow	Dendroica petechia	040313
Warbler, yellow-rumped	Dendroica coronata cornata	040317
Warbler, yellow-throated	Dendroica dominica	040322
Waterthrush, Louisiana	Seiurus motacilla	040332
Waterthrush, northern	Seiurus noveboracensis	040331
Waxwing, Bohemian	Bombycilla garrulus	040289
Waxwing, cedar	Bombycilla cedrorum	040290
Wheatear, northern	Oenanthe oenanthe	040283
Whimbrel	Numenius phaeopus	040127
Whip-poor-will	Caprimulgus vociferus	040215
Whistling-duck, fulvous	Dendrocygna bicolor	040050
Wigeon, American	Anas americana	040059
Wigeon, Eurasian	Anas penelope	040058
Willet	Catoptrophorus semipalmatus semipalmatus	040133
Woodcock, American	Scolopax minor	040140
Woodcock, Eurasian	Scolopax rusticola	040139
Woodpecker, downy	Picoides pubescens medianus	040227
Woodpecker, hairy	Picoides villosus	040226
Woodpecker, pileated	Dryocopus pileatus	040222
Woodpecker, red-bellied	Melanerpes carolinus	040223
Woodpecker, red-cockaded	Picoides borealis borealis	040228
Woodpecker, red-headed	Melanerpes erythrocephalus	040224
Wren, Appalachian Bewick's	Thryomanes bewickii altus	040267
Wren, Carolina	Thryothorus ludovicianus	040268
Wren, house	Troglodytes aedon	040265
Wren, marsh	Cistothorus palustris	040269
Wren, sedge	Cistothorus platensis	040270
Wren, winter	Troglodytes troglodytes	040266
Yellowlegs, greater	Tringa melanoleuca	040130
Yellowlegs, lesser	Tringa flavipes	040131
Yellowthroat, common	Geothlypis trichas brachidactylus	040336

MAMMALS

Bat, Indiana	Myotis sodalis	050023
* Bat, big-eared	Plecotus rafinesquii	051018
Bat, Virginia big-eared	Plecotus (Corynorhinus) townsendii virginianus	050035
Bat, big brown	Eptesicus fuscus fuscus	050028
Bat, eastern red	Lasiurus borealis borealis	050029
Bat, evening	Nycticeius humeralis humeralis	050033
Bat, gray	Myotis grisescens	050021
Bat, hoary	Lasiurus cinereus cinereus	050030
Bat, little brown	Myotis lucifugus lucifugus	050020
Bat, northern yellow	Lasiurus intermedius floridanus	050109
Bat, seminole	Lasiurus seminolus	050031
Bat, silver-haired	Lasionycteris noctivagans	050025
Bear, black	Ursus americanus americanus	050037
* Beaver	Castor canadensis	051002
* Bobcat	Lynx rufus	051005
* Chipmunk, eastern	Tamias striatus	051028
Cottontail, Appalachian	Sylvilagus obscurus	050106
* Cottontail, eastern	Sylvilagus floridanus	051026

Cougar, eastern	<i>Felis concolor cougar</i>	050112
Coyote	<i>Canis latrans</i>	050125
Deer, sika	<i>Cervus nippon nippon</i>	050114
Deer, white-tailed	<i>Odocoileus virginianus</i>	050108
Fisher	<i>Martes pennanti pennanti</i>	050113
Fox, eastern gray	<i>Urocyon cinereoargenteus cinereoargenteus</i>	050050
Fox, red	<i>Vulpes vulpes fulva</i>	050049
* Hare, snowshoe	<i>Lepus americanus</i>	051008
Jackrabbit, black-tailed	<i>Lepus californicus</i>	050132
* Lemming, southern bog	<i>Synaptomys cooperi</i>	051027
* Mink	<i>Mustela vison</i>	051012
* Mole, eastern	<i>Scalopus aquaticus</i>	051021
Mole, hairy-tailed	<i>Parascalops breweri</i>	050016
* Mole, star-nosed	<i>Condylura cristata</i>	051004
Mouse, cotton	<i>Peromyscus gossypinus gossypinus</i>	050075
* Mouse, deer	<i>Peromyscus maniculatus</i>	051017
* Mouse, harvest	<i>Reithrodontomys humulis</i>	051020
* Mouse, golden	<i>Ochrotomys nuttalli</i>	051014
Mouse, house	<i>Mus musculus musculus</i>	050098
Mouse, meadow jumping	<i>Zapus hudsonius americanus</i>	050099
* Mouse, white-footed	<i>Peromyscus leucopus</i>	051016
* Mouse, woodland jumping	<i>Napaeozapus insignis</i>	051013
* Muskrat	<i>Ondatra zibethicus</i>	051015
Myotis, northern long-eared	<i>Myotis septentrionalis septentrionalis</i>	050022
Myotis, small-footed	<i>Myotis leibii</i>	050024
Myotis, southeastern	<i>Myotis austroriparius</i>	050131
Nutria	<i>Myocastor coypus</i>	050053
Opossum, Virginia	<i>Didelphis virginiana virginiana</i>	050001
Otter, river	<i>Lontra canadensis lataxina</i>	050045
Pipistrelle, eastern	<i>Pipistrellus subflavus subflavus</i>	050027
Porcupine	<i>Erethizon dorsatum dorsatum</i>	050101
Rabbit, marsh	<i>Sylvilagus palustris palustris</i>	050107
* Raccoon	<i>Procyon lotor</i>	051019
Rat, Norway	<i>Rattus norvegicus norvegicus</i>	050095
Rat, black	<i>Rattus rattus rattus</i>	050094
Rat, hispid cotton	<i>Sigmodon hispidus virginianus</i>	050079
Rat, marsh rice	<i>Oryzomys palustris palustris</i>	050078
Shrew, least	<i>Cryptotis parva parva</i>	050015
Shrew, long-tailed	<i>Sorex dispar dispar</i>	050006
* Shrew, masked	<i>Sorex cinereus</i>	051024
Shrew, pygmy	<i>Sorex hoyi winnemana</i>	050010
* Shrew, short-tailed	<i>Blarina brevicauda</i>	051001
Shrew, smokey	<i>Sorex fumeus fumeus</i>	050004
* Shrew, southeastern	<i>Sorex longirostris</i>	051025
Shrew, Southern short-tailed	<i>Blarina carolinensis carolinensis</i>	050011
Shrew, water	<i>Sorex palustris punctulatus</i>	050009
Skunk, eastern spotted	<i>Spilogale putorius putorius</i>	050046
* Skunk, striped	<i>Mephitis mephitis</i>	051009
Squirrel, northern flying	<i>Glaucomys sabrinus</i>	050068
* Squirrel, fox	<i>Sciurus niger</i>	051023
* Squirrel, gray	<i>Sciurus carolinensis</i>	051022
* Squirrel, red	<i>Tamiasciurus hudsonicus</i>	051029
* Squirrel, southern flying	<i>Glaucomys volans</i>	051007
* Vole, Gapper's red-backed	<i>Clethrionomys gapperi</i>	051003
* Vole, meadow	<i>Microtus pennsylvanicus</i>	051010
* Vole, pine	<i>Microtus pinetorum</i>	051011
Vole, rock	<i>Microtus chrotorrhinus carolinensis</i>	050084

Weasel, least	Mustela nivalis allegheniensis	050040
Weasel, long-tailed	Mustela frenata noveboracensis	050041
Woodchuck	Marmota monax monax	050054
Woodrat, Allegheny	Neotoma magister	050081
Bat spp.		052001
Mole spp.		052002
Mouse spp.		052003
Rat spp.		052004
Shrew spp.		052005
Vole spp.		052006

DRAGONFLIES AND DAMSELFLIES

Damselfly, Appalachian jewelwing	Calopteryx angustipennis	080002
Damselfly, Aurora damsel	Chromagrion conditum	080097
Damselfly, Eastern forktail	Ischnura verticalis	080100
Damselfly, Eastern red damsel	Amphiafrion saucium	080172
Damselfly, Rambur's forktail	Ischnura ramburii	080127
Damselfly, Southern sprite	Nehalennia integricollis	080128
Damselfly, Violet dancer	Argia fumipennis violacea	080095
Damselfly, amber-winged spreadwing	Lestes eurinus	080197
Damselfly, attenuated bluet	Enallagma daeckii	080117
Damselfly, azure bluet	Enallagma aspersum	080115
Damselfly, big bluet	Enallagma durum	080208
Damselfly, blue-fronted dancer	Argia apicalis	080112
Damselfly, blue-ringed dancer	Argia sedula	080174
Damselfly, blue-tipped dancer	Argia tibialis	080114
Damselfly, burgundy bluet	Enallagma dubium	080119
Damselfly, citrine forktail	Ischnura hastata	080125
Damselfly, common spreadwing	Lestes disjunctus	080109
Damselfly, double-striped bluet	Enallagma basidens	080098
Damselfly, duckweed firetail	Telebasis byersi	080129
Damselfly, ebony jewelwing	Calopteryx maculata	080096
Damselfly, elegant spreadwing	Lestes inaequalis	080108
Damselfly, familiar bluet	Enallagma civile	080116
Damselfly, fragile forktail	Ischnura posita	080099
Damselfly, furtive forktail	Ischnura prognata	080175
Damselfly, great spreadwing	Archilestes grandis	080196
Damselfly, lilypad forktail	Ischnura kellicotti	080126
Damselfly, orange bluet	Enallagma signatum	080122
Damselfly, pale bluet	Enallagma pallidum	080181
Damselfly, powdered dancer	Argia moesta	080173
Damselfly, seepage dancer	Argia bipunctulata	080113
Damselfly, skimming bluet	Enallagma geminatum	080121
Damselfly, slender bluet	Enallagma traviatum	080123
Damselfly, slender spreadwing	Lestes rectangularis	080110
Damselfly, smoky rubyspot	Hetaerina titia	080180
Damselfly, sparkling jewelwing	Calopteryx dimidiata	080106
Damselfly, sphagnum sprite	Nehalennia gracilis	080176
Damselfly, spotted spreadwing	Lestes congener	080107
Damselfly, stream bluet	Enallagma exsulans	080120
Damselfly, swamp spreadwing	Lestes vigilax	080111
Damselfly, sweetflag spreadwing	Lestes forcipatus	080171
Damselfly, turquoise bluet	Enallagma divagans	080118
Damselfly, vesper bluet	Enallagma vesperum	080124
Dragonfly, Allegheny clubtail	Ophiogomphus allegheniensis	080190

Dragonfly, American emerald	Cordulia shurtleffi	080193
Dragonfly, Appalachian snaketail	Ophiogomphus incurvatus alleghaniensis	080105
Dragonfly, Carolina saddlebags	Tramea carolina	080169
Dragonfly, Cherokee clubtail	Gomphus consanguis	080101
Dragonfly, Cyrano darner	Nasiaeschna pentacantha	080135
Dragonfly, Eastern amberwing	Perithemis tenera	080167
Dragonfly, Eastern pondhawk	Erythemis simplicicollis	080092
Dragonfly, Eastern ringtail	Erpetogomphus designatus	080199
Dragonfly, Illinois river cruiser	Macromia illinoiensis	080143
Dragonfly, Martha's pennant	Celithemis martha	080153
Dragonfly, Needham's skimmer	Libellula needhami	080178
Dragonfly, Northern pygmy clubtail	Lanthus parvulus	080188
Dragonfly, Piedmont clubtail	Gomphus parvidens	080185
Dragonfly, Sely's sundragon	Helocordulia selysi	080145
Dragonfly, Septima's clubtail	Gomphus septima	080103
Dragonfly, Shadow darner	Aeshna umbrosa	080029
Dragonfly, Southern pygmy clubtail	Lanthus vernalis	080189
Dragonfly, arrow clubtail	Stylurus spiniceps	080203
Dragonfly, arrowhead spiketail	Cordulegaster obliqua	080088
Dragonfly, ashy clubtail	Gomphus lividus	080137
Dragonfly, banded pennant	Celithemis fasciata	080152
Dragonfly, bar-winged skimmer	Libellula axilena	080157
Dragonfly, black saddlebags	Tramea lacerata	080170
Dragonfly, black-shouldered spinyle	Dromogomphus spinosus	080177
Dragonfly, black-tipped darner	Aeshna tuberculifera	080183
Dragonfly, blue corporal	Libellula deplanata	080159
Dragonfly, blue dasher	Pachydiplax longipennis	080091
Dragonfly, blue-faced meadowhawk	Sympetrum ambiguum	080168
Dragonfly, bond-winged meadowhawk	Sympetrum semicinctum	080207
Dragonfly, brown spiketail	Cordulegaster bilineata	080140
Dragonfly, calico pennant	Celithemis elisa	080150
Dragonfly, clamp-tipped emerald	Somatochlora tenebrosa	080149
Dragonfly, cobra clubtail	Gomphus vastus	080201
Dragonfly, comet darner	Anax longipes	080131
Dragonfly, common baskettail	Epitheca cynosura	080089
Dragonfly, common green darner	Anax junius	080130
Dragonfly, common sanddragon	Progomphus obscurus	080139
Dragonfly, common whitetail	Libellula lydia	080090
Dragonfly, delta-spotted spiketail	Cordulegaster diastatops	080192
Dragonfly, double-ringed pennant	Celithemis verna	080154
Dragonfly, dragonhunter	Hagenius brevistylus	080138
Dragonfly, elfin skimmer	Nannothemis bella	080165
Dragonfly, elusive clubtail	Stylurus notatus	080102
Dragonfly, fawn darner	Boyeria vinosa	080133
Dragonfly, fine-lined emerald	Somatochlora filosa	080146
Dragonfly, four-spotted pennant	Brachymesia gravida	080206
Dragonfly, golden-winged skimmer	Libellula auripennis	080156
Dragonfly, gray petaltail	Tachopteryx thoreyi	080001
Dragonfly, great blue skimmer	Libellula vibrans	080164
Dragonfly, green-faced clubtail	Gomphus viridifrons	080187
Dragonfly, halloween pennant	Celithemis eponina	080151
Dragonfly, harlequin darner	Gomphaeschna furcillata	080134
Dragonfly, lancet clubtail	Gomphus exilis	080136
Dragonfly, least clubtail	Stylogomphus albistylus	080202
Dragonfly, little blue dragonlet	Erythrodiplax minuscula	080155
Dragonfly, mocha emerald	Somatochlora linearis	080147
Dragonfly, mountain river cruiser	Macromia margarita	080104

Dragonfly, ocellated darner	Boyeria grafiana	080198
Dragonfly, painted skimmer	Libellula semifasciata	080163
Dragonfly, prince baskettail	Epitheca princeps	080210
Dragonfly, pygmy	Ophiogomphus howei	080003
Dragonfly, rapids clubtail	Gomphus quadricolor	080186
Dragonfly, red saddlebags	Tramea onusta	080195
Dragonfly, robust baskettail	Epitheca spinosa	080144
Dragonfly, royal river cruiser	Macromia taeniolata	080204
Dragonfly, ruby meadowhawk	Sympetrum rubicundulum	080179
Dragonfly, sable clubtail	Gomphus rogersi	080086
Dragonfly, seaside dragonlet	Erythrodiplax berenice	080211
Dragonfly, slaty skimmer	Libellula icerca	080161
Dragonfly, spangled skimmer	Libellula cyanea	080158
Dragonfly, spatterdock darner	Aeshna mutata	080182
Dragonfly, spine-crowned clubtail	Gomphus abbreviatus	080184
Dragonfly, splendid clubtail	Gomphus lineatifrons	080200
Dragonfly, spot-winged glider	Pantala hymenea	080212
Dragonfly, springtime darner	Basiaeschna janata	080132
Dragonfly, stream cruiser	Didymops transversa	080142
Dragonfly, stripe-winged baskettail	Epitheca costalis	080194
Dragonfly, swamp darner	Epiaschna heros	080094
Dragonfly, taper-tailed darner	Gomphaeschna antilope	080209
Dragonfly, tiger spiketail	Cordulegaster erronea	080141
Dragonfly, treetop emerald	Somatochlora provocans	080148
Dragonfly, twelve-spotted skimmer	Libellula pulchella	080015
Dragonfly, twin-spotted spiketail	Cordulegaster maculata	080087
Dragonfly, umber shadowdragon	Neurocordulia obsoleta	080205
Dragonfly, unicorn clubtail	Arigomphus villosipes	080077
Dragonfly, wandering glider	Pantala flavescens	080166
Dragonfly, widow skimmer	Libellula luctuosa	080162
Dragonfly, yellow-legged meadow hawk	Sympetrum vicinum	080063
Dragonfly, yellow-sided skimmer	Libellula flava	080160
Dragonfly, zebra clubtail	Stylurus scudderi	080191

BUTTERFLIES AND MOTHS

Butterfly, Aaron's skipper	Poanes aaroni	100181
Butterfly, American copper	Lycaena phlaeas	100220
Butterfly, American lady	Vanessa virginiensis	100262
Butterfly, American snout	Libytheana carinenta	100245
Butterfly, Appalachian azure	Celastrina neglectamajor	100241
Butterfly, Appalachian brown	Satyrodes appalachia	100274
Butterfly, Aprhodite fritillary	Speyeria aphrodite	100250
Butterfly, Arogos skipper	Atrytone arogos	100176
Butterfly, Atlantis fritillary	Speyeria atlantis	100251
Butterfly, Baltimore checkerspot	Euphydryas phaeton	100254
Butterfly, Brazilian skipper	Calpodes ethlius	100196
Butterfly, Carolina road-skipper	Amblyscirtes carolina	100189
Butterfly, Carolina satyr	Hermeuptychia sosybius	100278
Butterfly, Delaware skipper	Anatrytone logan	100177
Butterfly, Diana fritillary	Speyeria diana	100001
Butterfly, Dion skipper	Euphyes dion	100184
Butterfly, Duke's skipper	Euphyes dukesi	100002
Butterfly, Dun skipper	Euphyes vestris	100185
Butterfly, Edwards' hairstreak	Satyrium edwardsii	100231
Butterfly, Eufala skipper	Lerodea eufala	100195
Butterfly, European skipper	Thymelicus lineola	100161

Butterfly, Georgia satyr	Neonympha areolata	100275
Butterfly, Hayhurst's scallopwing	Staphylus hayhurstii	100145
Butterfly, Henry's elfin	Callophrys henrici	100224
Butterfly, Hessel's hairstreak	Callophrys hesseli	100237
Butterfly, Hobomok skipper	Poanes hobomok	100178
Butterfly, Horace's duskywing	Erynnis horatius	100149
Butterfly, Indian skipper	Hesperia sassacus	100164
Butterfly, Juvenal's duskywing	Erynnis juvenalis	100148
Butterfly, King's hairstreak	Satyrium kingi	100004
Butterfly, Leonard's skipper	Hesperia leonardus	100163
Butterfly, Ocola skipper	Panoquina ocola	100197
Butterfly, Olympia marble	Euchloe olympia	100210
Butterfly, Palamedes swallowtail	Papilio palamedes	100203
Butterfly, Palatka skipper	Euphyes pilatka	100183
Butterfly, Persius duskywing	Erynnis persius	100154
Butterfly, West Virginia white	Pieris virginensis	100207
Butterfly, Yehl skipper	Poanes yehl	100182
Butterfly, Zabulon skipper	Poanes zabulon	100180
Butterfly, Zarucco duskywing	Erynnis zarucco	100151
Butterfly, banded hairstreak	Satyrium calanus	100232
Butterfly, barred yellow	Eurema daira	100215
Butterfly, black dash	Euphyes conspicua	100186
Butterfly, black swallowtail	Papilio polyxenes asterius	100092
Butterfly, broad-winged skipper	Poanes viator	100179
Butterfly, bronze copper	Lycaena hyllus	100221
Butterfly, brown elfin	Callophrys augustinus	100137
Butterfly, cabbage white	Pieris rapae	100205
Butterfly, carus skipper	Polites carus	100167
Butterfly, checkered white	Pontia protodice	100206
Butterfly, clouded skipper	Lerema accius	100159
Butterfly, clouded sulphur	Colias philodice	100094
Butterfly, cloudless sulphur	Phoebis sennae eubule	100213
Butterfly, cobweb skipper	Hesperia metea	100165
Butterfly, columbine duskywing	Erynnis lucilius	100152
Butterfly, common buckeye	Junonia coenia	100265
Butterfly, common checkered-skipper	Pyrgus communis	100156
Butterfly, common road-skipper	Amblyscirtes vialis	100193
Butterfly, common sootywing	Pholisora catullus	100157
Butterfly, common wood-nymph	Cercyonis pegala	100277
Butterfly, confused cloudywing	Thorybes confusis	100144
Butterfly, coral hairstreak	Satyrium titus	100230
Butterfly, creole pearly-eye	Enodia creola	100271
Butterfly, crossline skipper	Polites origenes	100168
Butterfly, dainty sulphur	Nathalis iole	100218
Butterfly, dotted skipper	Hesperia attalus	100166
Butterfly, dreamy duskywing	Erynnis icelus	100147
Butterfly, dusky azure	Celastrina nigra (=ebinina)	100240
Butterfly, dusky road-skipper	Amblyscirtes alternata	100192
Butterfly, dusted skipper	Atrytonopsis hianna	100188
Butterfly, early hairstreak	Erora laeta	100229
Butterfly, eastern comma	Polygonia comma	100258
Butterfly, eastern pine elfin	Callophrys niphon	100225
Butterfly, eastern tailed-blue	Everes comyntas	100238
Butterfly, eastern tiger swallowtail	Papilio glaucus	100093
Butterfly, falcate orangetip	Anthocharis midea	100209
Butterfly, fiery skipper	Hylephila phyleus	100162
Butterfly, frosted elfin	Callophrys irus	100223

Butterfly, gemmed satyr	Cyllopsis gemma	100276
Butterfly, giant swallowtail	Papilio cresphontes	100201
Butterfly, goatweed leafwing	Anaea andria	100282
Butterfly, golden-banded skipper	Autochton cellus	100139
Butterfly, gray comma	Polygonia progne	100260
Butterfly, gray hairstreak	Strymon melinus	100228
Butterfly, great purple hairstreak	Atlides halesus	100222
Butterfly, great southern white	Ascia monuste phileta	100208
Butterfly, great spangled fritillary	Speyeria cybele	100249
Butterfly, green comma	Polygonia faunus	100261
Butterfly, grizzled skipper	Pyrgus centaureae wyandot	100155
Butterfly, gulf fritillary	Agraulis vanillae nigror	100246
Butterfly, hackberry emperor	Asterocampa celtis	100270
Butterfly, harvester	Feniseca tarquinius	100219
Butterfly, hickory hairstreak	Satyrium caryaevorum	100233
Butterfly, hoary edge	Achalarus lyciades	100141
Butterfly, hoary elfin	Callophrys polius	100138
Butterfly, lace-winged road-skipper	Amblyscirtes aesculapius	100191
Butterfly, least skipper	Ancyloxypha numitor	100160
Butterfly, little glassywing	Pompeius verna	100175
Butterfly, little metalmark	Calephelis virginiensis	100244
Butterfly, little wood-satyr	Megisto cymela	100279
Butterfly, little yellow	Eurema lisa	100217
Butterfly, long dash	Polites mystic	100170
Butterfly, long-tailed skipper	Urbanus proteus	100140
Butterfly, meadow fritillary	Boloria bellona	100252
Butterfly, monarch	Danaus plexippus	100079
Butterfly, mottled duskywing	Erynnis martialis	100150
Butterfly, mourning cloak	Nymphalis antiopa	100090
Butterfly, northern broken dash	Wallengrenia egeremet	100173
Butterfly, northern cloudywing	Thorybes pylades	100143
Butterfly, northern crescent	Phyciodes selenis	100281
Butterfly, northern metalmark	Calephelis borealis	100243
Butterfly, northern pearly-eye	Enodia anthedon	100272
Butterfly, olive juniper hairstreak	Callophrys gryneus gryneus	100236
Butterfly, orange sulphur	Colias eurytheme	100211
Butterfly, orange-barred sulphur	Phoebis philea	100214
Butterfly, painted lady	Vanessa cardui	100263
Butterfly, pearl crescent	Phyciodes tharos	100257
Butterfly, pepper and salt road-ski	Amblyscirtes hegon	100194
Butterfly, pink-edged sulphur	Colias interior	100280
Butterfly, pipevine swallowtail	Battus philenor	100200
Butterfly, question mark	Polygonia interrogationis	100259
Butterfly, rare skipper	Prolema bulenta	100003
Butterfly, red admiral	Vanessa atalanta	100264
Butterfly, red-banded hairstreak	Calycopis cecrops	100235
Butterfly, red-spotted purple	Limenitis arthemis astyanax	100268
Butterfly, regal fritillary	Speyeria idalia	100248
Butterfly, reversed road-skipper	Amblyscirtes reversa	100190
Butterfly, sachem	Atalopedes campestris	100174
Butterfly, salt marsh skipper	Panoquina panoquin	100198
Butterfly, silver-bordered fritilla	Boloria selene	100253
Butterfly, silver-spotted skipper	Epargyreus clarus	100082
Butterfly, silvery blue	Glaucopsyche lygdamus	100242
Butterfly, silvery checkerspot	Chlosyne nycteis	100255
Butterfly, sleepy duskywing	Erynnis brizo	100146
Butterfly, sleepy orange	Eurema nicippe	100216

Butterfly, southern broken dash	Wallengrenia otho	100172
Butterfly, southern cloudywing	Thorybes bathyllus	100142
Butterfly, southern dogface	Colias cesonia	100212
Butterfly, southern hairstreak	Satyrium favonius	100226
Butterfly, southern pearly-eye	Enodia portlandia	100273
Butterfly, spicebush swallowtail	Papilio troilus	100202
Butterfly, spring azure	Celastrina ladon	100239
Butterfly, striped hairstreak	Satyrium liparops	100234
Butterfly, swarthy skipper	Nastra lherminier	100158
Butterfly, tawny crescent	Phyciodes batesii	100256
Butterfly, tawny emperor	Asterocampa clyton	100269
Butterfly, tawny-edged skipper	Polites themistocles	100169
Butterfly, two-spotted skipper	Euphyes bimacula	100187
Butterfly, variegated fritillary	Euptoieta claudia	100247
Butterfly, viceroy	Limenitis archippus	100266
Butterfly, whirlabout	Polites vibex	100171
Butterfly, white M hairstreak	Parrhasius m-album	100227
Butterfly, white admiral	Limenitis arthemis arthemis	100267
Butterfly, wild indigo duskywing	Erynnis baptisae	100153
Butterfly, wood nymph	Cercyonis pegala	100099
Butterfly, yucca giant-skipper	Megathymus yuccae	100199
Butterfly, zebra swallowtail	Eurytides marcellus	100204
Moth, Carolina sphinx	Manduca sexta	100295
Moth, Cecropia	Hyalophora cecropia	100097
Moth, Five-spotted hawk	Manduca quinquemaculata	100296
Moth, Franck's sphinx	Sphinx franckii	100304
Moth, Fraser fir geometrid	Semiothisa frasrrata	100355
Moth, Hebard's noctuid	Erythroecia hebardii	100324
Moth, Io	Automeris io	100096
Moth, Isabella tiger	Pyrrharctia isabella	100358
Moth, Luna	Actias luna	100095
Moth, Nantucket pine tip	Rhyacionia frustrana	100045
Moth, Nessus sphinx	Amphion floridensis	100315
Moth, Pandorus sphinx	Eumorpha pandorus	100314
Moth, Plebeian sphinx	Paratrepleura plebeja	100302
Moth, Polyphemus	Antheraea polyphemus	100098
Moth, Promethea	Callosamia promethea	100292
Moth, Smyth's apamea	Apamea smythi	100320
Moth, Tersa sphinx	Xylophanes tersa	100319
Moth, Virginia-creeper sphinx	Darapsa myron	100317
Moth, apple sphinx	Sphinx gordius	100306
Moth, ash sphinx	Manduca jasminearum	100298
Moth, azalea sphinx	Darapsa pholus	100318
Moth, blinded sphinx	Paonias excaecatus	100309
Moth, buck	Hemileuca maia	100290
Moth, catalpa sphinx	Ceratomia catalpae	100100
Moth, clear-wing	Synanthedon castaneae	100014
Moth, codling	Cydia pomonella	100040
Moth, darling underwing	Catocala cara	100088
Moth, elm sphinx	Ceratomia amyntor	100299
Moth, ghost	Hepialus sciophanacs	100326
Moth, gypsy	Lymantria dispar	100047
Moth, hermit sphinx	Sphinx eremita	100303
Moth, hummingbird clearwing	Hemaris thysbe	100312
Moth, hydrangea sphinx	Darapsa versicolor	100316
Moth, imperial	Eacles imperialis	100283
Moth, laurel sphinx	Sphinx kalmiae	100305

Moth, leaf-mining	Tischeria perplexa	100013
Moth, leopard	Zeuzera pyrina	100078
Moth, looper	Euchlaena milnei	100325
Moth, northern pine sphinx	Lapara bombycoides	100308
Moth, orangestriped oakworm	Anistora senatoria	100288
Moth, pine sphinx	Lapara coniferarum	100307
Moth, pine-devil	Citheronia sepulcralis	100285
Moth, pinkstriped oakworm	Anisota virginiensis	100289
Moth, precious underwing	Catocala pretiosa pretiosa	100321
Moth, regal	Citheronia regalis	100284
Moth, rosy maple	Dryocampa rubicunda	100286
Moth, rustic sphinx	Manduca rustica	100297
Moth, saddle prominent	Heterocampa guttivitta	100089
Moth, small-eyed sphinx	Paonias myops	100310
Moth, snowberry clearwing	Hemeris diffinis	100101
Moth, spiny oakworm	Anisota stigma	100287
Moth, sweetbay silk	Callosamia securifera	100291
Moth, tulip-tree silk	Callosamia angulifera	100293
Moth, virgin tiger	Apantesis virgo	100076
Moth, walnut sphinx	Laothoe juglandis	100311
Moth, waved shinx	Ceratomia undulosa	100300
Moth, whitelined sphinx	Hyles lineata	100294

MARINE MAMMALS

Bottlenose, Atlantic	Tursiops truncatus	120026
Dolphin, rough-toothed	Steno bredanensis	120015
Dolphin, saddleback	Delphinus delphis	120016
Dolphin, spinner	Stenella longirostris	120024
Dolphin, spotted	Stenella plagiodon	120025
Dolphin, striped	Stenella caeruleoalba	120023
Dolphin, white-sided	Lagenorhynchus acutus	120020
Grampus	Grampus griseus	120019
Lion, California sea	Zalophus californianus	120028
Manatee, Florida	Trichechus manatus	120030
Porpoise, harbor	Phocoena phocoena	120027
Seal, harbor	Phoca vitulina vitulina	120029
Whale, Antillean beaked	Mesoplodon europaeus	120009
Whale, Atlantic pilot	Globicephala melaena	120018
Whale, Bryde's	Balaenoptera edeni	120002
Whale, Minke	Balaenoptera acutorostrada	120005
Whale, True's beaked	Mesoplodon mirus	120010
Whale, blue	Balaenoptera musculus	120001
Whale, dense-beaked	Mesoplodon densirostris	120008
Whale, dwarf sperm	Kogia simus	120014
Whale, false killer	Pseudorca crassidens	120022
Whale, fin	Balaenoptera physalus	120004
Whale, goose-beaked	Ziphius cavirostris	120011
Whale, humpback	Megaptera novaeangliae	120006
Whale, killer	Orcinus orca	120021
Whale, northern right	Eubalaena glacialis	120007
Whale, pygmy sperm	Kogia breviceps	120013
Whale, sei	Balaenoptera borealis	120003
Whale, short-finned pilot	Globicephala macrorhynchus	120017
Whale, sperm	Physeter catodon	120012
Dolphin spp.		122001